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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
10/138,810	05/03/2002	James A. Billmaier	19002-6

21924
Arris Group, Inc.
3871 LAKEFIELD DRIVE
SUWANEE, GA 30024

CONFIRMATION NO. 4013
POA ACCEPTANCE LETTER



OC00000049140424

Date Mailed: 08/08/2011

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 07/29/2011.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

/mtekle michael/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
10/138,810	05/03/2002	James A. Billmaier	50588/299

85673
ARRIS Group c/o Stoel Rives LLP
201 S. Main St., Ste 1100
Salt Lake City, UT 84111

CONFIRMATION NO. 4013
POWER OF ATTORNEY NOTICE



Date Mailed: 08/08/2011

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 07/29/2011.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervned as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

/mtekle michael/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : James A. Billmaier, et al Art Unit : 2173
Serial No. : 10/138,810 Examiner : BONSHOCK, DENNIS G
Filed : 03 May 2002 Conf. No. : 4013
Title : SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER
INTERFACE

REVOCATION OF PRIOR POWER OF ATTORNEY, APPOINTMENT OF NEW POWER OF
ATTORNEY, AND STATEMENT UNDER 37 C.F.R. 3.73(B)

STATEMENT UNDER 3.73(b)

ARRIS Group, Inc., by its legal representative Gaines Carter, Assistant Secretary, states that it is the Assignee of the entire right, title and interest in the patent application identified above as evidenced by the following chain of title:

1. James A Billmaier, John M Kellum, Anthony F Istvan, Dewey M Reid, Philip A Rogan to Digeo, Inc. Reel/Frame: 013204 / 0014
2. Digeo, Inc. to Vulcan Ventures, Inc. Reel/Frame 22309/0016
3. Vulcan Ventures, Inc. to ARRIS Group, Inc. Reel/Frame: 026621 / 0258

REVOCATION OF PRIOR POWER OF ATTORNEY

As a legal representative authorized to act on behalf of ARRIS Group, Inc., I hereby revoke all previous Powers of Attorney previously given.

NEW POWER OF ATTORNEY

As a legal representative authorized to act on behalf of ARRIS Group, Inc., I hereby appoint all attorneys associated with ARRIS Group, Inc.'s U.S. Patent and Trademark Office Customer Number 21924 to represent ARRIS Group, Inc. in connection with all matters pertaining to the above-referenced application, with full power of substitution, association and revocation, to

Applicant : James A. Billmaier, et al
Serial No. : 10/138,810
Filed : 03 May 2002
Page : 2 of 2

ARRIS Docket No.: 19002-6

prosecute said application and to transact all business in the U.S. Patent and Trademark Office connected therewith.

Address all written correspondence to the address of record for Customer No. 21924 which is 3871 Lakefield Drive, Suwanee, GA 30024. Telephone calls should be directed to Troy Van Aacken at (678) 473-8337.

As an attorney associated with Customer No. 21924, the undersigned, Troy Van Aacken, hereby accepts the Power of Attorney and all powers contained herein on behalf of all attorneys associated with the referenced Customer Number.

It is believed that no fees are required in connection with this filing; however, in the event that there are, please apply any other charges or credits to Deposit Account No. 01-2125.

ARRIS Group, Inc., Assignee

BY: 

.....
Gaines Carter, Assistant Secretary

Date: July 25, 2011

Accepted by and respectfully submitted,

Date: July 25, 2011

/Troy A. Van Aacken/

Troy A. Van Aacken

Reg. No. 50,847

ARRIS Group, Inc.
3871 Lakefield Drive, Suwanee, Georgia 30024
678-473-2000 Main 678-473-8095 Facsimile
ARRIS Docket No.: 19002-6

Electronic Acknowledgement Receipt

EFS ID:	10626197
Application Number:	10138810
International Application Number:	
Confirmation Number:	4013
Title of Invention:	SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE
First Named Inventor/Applicant Name:	James A. Billmaier
Customer Number:	85673
Filer:	Troy A. VanAacken/Denise Motley
Filer Authorized By:	Troy A. VanAacken
Attorney Docket Number:	50588/299
Receipt Date:	29-JUL-2011
Filing Date:	03-MAY-2002
Time Stamp:	11:21:18
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	110728_19002-6_POA.pdf	173064 37107a824f209938d5a0270347e0d47a59c4bd06	no	2

Warnings:

Information:

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



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United States Patent and Trademark Office
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
10/138,810	05/03/2002	James A. Billmaier	50588/299

CONFIRMATION NO. 4013

POWER OF ATTORNEY NOTICE

32641
DIGEO, INC C/O STOEL RIVES LLP
201 SOUTH MAIN STREET, SUITE 1100
ONE UTAH CENTER
SALT LAKE CITY, UT 84111



Date Mailed: 06/18/2009

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 06/09/2009.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervned as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

/mbeyene/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
10/138,810	05/03/2002	James A. Billmaier	50588/299

85673
Vulcan, Inc. C/O Stoel Rives LLP
201 S. Main St., Ste 1100
Salt Lake City, UT 84111

CONFIRMATION NO. 4013
POA ACCEPTANCE LETTER



OC00000036452629

Date Mailed: 06/18/2009

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 06/09/2009.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

/mbeyenc/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

GENERAL POWER OF ATTORNEY

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

The undersigned is an empowered representative of the Assignee, Vulcan Ventures, Inc., and hereby appoints the practitioners associated with **Customer No. 85673** as attorneys and agents to represent the Assignee before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned to the Assignee according to the USPTO assignment records or assignment documents supplied with an accompanying Statement Under 37 CFR § 3.73(b). This appointment is to be to the exclusion of the inventor(s) and his/her attorney(s) in accordance with the provisions of 37 CFR § 3.71.

A Statement Under 37 CFR § 3.73(b), signed by a practitioner associated with **Customer No. 85673**, is attached setting forth a full chain of title for the subject application owned by the Assignee named below.

Please recognize or change the correspondence address for the above-identified application to the address associated with **Customer No. 85673**.

By: William McGrath Date: 3/4/09
Print Name: William L. McGrath Title: Vice President

Assignee: Vulcan Ventures, Inc.

Electronic Acknowledgement Receipt

EFS ID:	5485176
Application Number:	10138810
International Application Number:	
Confirmation Number:	4013
Title of Invention:	SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE
First Named Inventor/Applicant Name:	James A. Billmaier
Customer Number:	32641
Filer:	Kory D. Christensen/Peter Dittmer
Filer Authorized By:	Kory D. Christensen
Attorney Docket Number:	50588/299
Receipt Date:	09-JUN-2009
Filing Date:	03-MAY-2002
Time Stamp:	18:22:53
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
------------------------	----

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Assignee showing of ownership per 37 CFR 3.73(b).	71075001.PDF	69605 554b7e72bd18ce19279684697bfb8aca563efafe	no	1

Warnings:

Information:

2	Power of Attorney	34395_1_General_POA.pdf	27835 <small>0069483a1c902cc4f7872d0b4650d44fa7263ffc</small>	no	1
Warnings:					
Information:					
Total Files Size (in bytes):			97440		
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: James A. Billmaier et al.Application No./Patent No.: 7107532Filed/Issue Date: 09/12/2006Titled: SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACEVulcan Ventures, Inc. _____, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest in;
2. an assignee of less than the entire right, title, and interest in
(The extent (by percentage) of its ownership interest is _____ %); or
3. the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)

the patent application/patent identified above, by virtue of either:

- A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy therefore is attached.

OR

- B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: Inventors To: Digeo, Inc.The document was recorded in the United States Patent and Trademark Office at
Reel 013204, Frame 0014, or for which a copy thereof is attached.2. From: Digeo, Inc. To: Vulcan Ventures, Inc.The document was recorded in the United States Patent and Trademark Office at
Reel 022309, Frame 0016, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached. Additional documents in the chain of title are listed on a supplemental sheet(s).

- As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (*i.e.*, a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/Kory D. Christensen/

May 26, 2009

Signature

Date

Kory D. Christensen

Attorney of Record

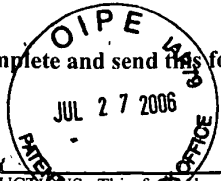
Printed or Typed Name

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

7-28-06
PART B - FEE(S) TRANSMITTAL



Complete and send this form, together with applicable fee(s), to: **Mail** **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

32641 7590 06/20/2006

DIGEO, INC C/O STOEL RIVES LLP
 201 SOUTH MAIN STREET, SUITE 1100
 ONE UTAH CENTER
 SALT LAKE CITY, UT 84111
 07/31/2006 WABDEL3 00000061 10138810

01 FC:1501 1400.00 OP
 02 FC:8001 15.00 OP

Certificate of Mailing or Transmission
 I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

	(Depositor's name)
	(Signature)
	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/138,810	05/03/2002	James A. Billmaier	50588/299	4013

TITLE OF INVENTION: SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$0	\$1400	09/20/2006

EXAMINER	ART UNIT	CLASS-SUBCLASS
BONSHOCK, DENNIS G	2173	715-720000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
 Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
 "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list
 (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 Kory D. Christensen
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 STOEL RIVES, LLP
 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)
 PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE: Digeo, Inc. (B) RESIDENCE: (CITY and STATE OR COUNTRY) Kirkland, Washington

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are enclosed:
 Issue Fee
 Publication Fee (No small entity discount permitted)
 Advance Order - # of Copies 5

4b. Payment of Fee(s):
 A check in the amount of the fee(s) is enclosed.
 Payment by credit card. Form PTO-2038 is attached.
 The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 502375 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)
 a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

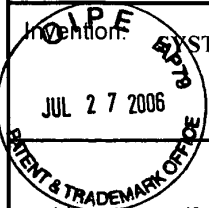
Authorized Signature: [Signature] Date: 7/27/06
 Typed or printed name: Kory D. Christensen Registration No. 43,548

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.
 Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)		Docket No.
Applicant(s): James A. Billmaier et al.		50588/299

Application No. 10/138,810	Filing Date 05/03/2002	Examiner Bonshock, Dennis G.	Customer No. 32641	Group Art Unit 2173
-------------------------------	---------------------------	---------------------------------	-----------------------	------------------------

Invention: **SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE**



I hereby certify that the following correspondence:

Transmittal of Payment of Issue Fee (Large Entity) (1 page), Part B - Fee(s) Transmittal (1 page), Credit Card Payment Form (1 page), and Postcard

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

July 27, 2006
(Date)

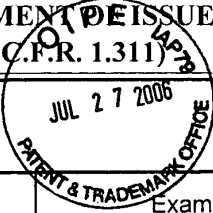
Mary Louise Miner
(Typed or Printed Name of Person Mailing Correspondence)

Mary Louise Miner
(Signature of Person Mailing Correspondence)

EV 699358486 US
("Express Mail" Mailing Label Number)

Note: Each paper must have its own certificate of mailing.

TRANSMITTAL OF PAYMENT OF ISSUE FEE (Large Entity) (37 C.F.R. 1.311)	Docket No. 50588/299
--	-------------------------



Applicant(s): James A. Billmaier et al

Application No. 10/138,810	Filing Date 05/03/2002	Examiner Bonshock, Dennis G.	Customer No. 32641	Group Art Unit 2173	Confirmation No. 4013
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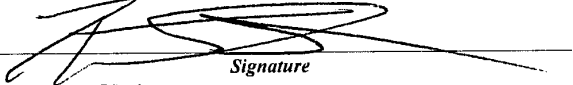
Invention: SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE

Mail Stop Issue Fee
COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, VA 22313-1450

Transmitted herewith are the following for the above-identified application.

- Issue Fee Transmittal Form PTOL-85
- Utility Fee: \$ 1400.00 Design Fee: _____ Plant Fee: _____
- Publication Fee: _____
- A check in the amount of _____ is attached.
- The Director is hereby authorized to charge and credit Deposit Account No. 502375 as described below.
 - Charge the amount of _____
 - Credit any overpayment.
 - Charge any additional fee required.
- Payment by credit card. Form PTO-2038 is attached.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.



Signature

Dated: July 27, 2006

Kory D. Christensen
 Attorney Docket No.: 43,548
 STOEL RIVES, LLP
 One Utah Center
 201 S. Main Street, Suite 1100
 Salt Lake City, Utah 84111
 Telephone: 801-328-3131
 Facsimile: 801-578-6999

CC:

Certificate of Transmission by Facsimile
 This certificate may only be used if paying by deposit account.

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States and Trademark Office (Fax No. _____) on _____ _____ (Date) _____ _____ Signature _____ Typed or Printed Name of Person Signing Certificate
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Certificate of Mailing by First Class Mail

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on July 27, 2006 _____ (Date) _____ Signature of Person Mailing Correspondence Mary Louise Miner _____ Typed or Printed Name of Person Mailing Correspondence
--



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

1, D

NOTICE OF ALLOWANCE AND FEE(S) DUE

32641 7590 06/20/2006

DIGEO, INC C/O STOEL RIVES LLP
201 SOUTH MAIN STREET, SUITE 1100
ONE UTAH CENTER
SALT LAKE CITY, UT 84111

EXAMINER

BONSHOCK, DENNIS G

ART UNIT PAPER NUMBER

2173

DATE MAILED: 06/20/2006

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
10/138,810 05/03/2002 James A. Billmaier 50588/299 4013

TITLE OF INVENTION: SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE

Table with 6 columns: APPLN. TYPE, SMALL ENTITY, ISSUE FEE, PUBLICATION FEE, TOTAL FEE(S) DUE, DATE DUE
nonprovisional NO \$1400 \$0 \$1400 09/20/2006

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

32641 7590 06/20/2006

DIGEO, INC C/O STOEL RIVES LLP
 201 SOUTH MAIN STREET, SUITE 1100
 ONE UTAH CENTER
 SALT LAKE CITY, UT 84111

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

_____ (Depositor's name)
_____ (Signature)
_____ (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/138,810	05/03/2002	James A. Billmaier	50588/299	4013

TITLE OF INVENTION: SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$0	\$1400	09/20/2006

EXAMINER	ART UNIT	CLASS-SUBCLASS
BONSHOCK, DENNIS G	2173	715-720000

<p>1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).</p> <p><input type="checkbox"/> Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.</p> <p><input type="checkbox"/> "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.</p>	<p>2. For printing on the patent front page, list</p> <p>(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, _____ 1</p> <p>(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. _____ 2</p> <p>_____ 3</p>
--	---

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE _____ (B) RESIDENCE: (CITY and STATE OR COUNTRY) _____

Please check the appropriate assignee category or categories (will not be printed on the patent) : Individual Corporation or other private group entity Government

<p>4a. The following fee(s) are enclosed:</p> <p><input type="checkbox"/> Issue Fee</p> <p><input type="checkbox"/> Publication Fee (No small entity discount permitted)</p> <p><input type="checkbox"/> Advance Order - # of Copies _____</p>	<p>4b. Payment of Fee(s):</p> <p><input type="checkbox"/> A check in the amount of the fee(s) is enclosed.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p> <p><input type="checkbox"/> The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).</p>
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5. Change in Entity Status (from status indicated above)

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
Row 1: 10/138,810, 05/03/2002, James A. Billmaier, 50588/299, 4013
Row 2: 32641, 7590, 06/20/2006, [EXAMINER: BONSHOCK, DENNIS G], [ART UNIT: 2173, PAPER NUMBER]

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 448 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 448 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.

10/138,810

Examiner

Dennis G. Bonshock

Applicant(s)

BILLMAIER ET AL.

Art Unit

2173

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- 1. This communication is responsive to the amendment filed 3-30-2006.
- 2. The allowed claim(s) is/are 1-11, 16-18, 22-32, 37-39, 43, 44 and 50-72.
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some* c) None of the:
 - 1. Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. _____.
 - 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 - 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
- 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. Notice of References Cited (PTO-892)
- 2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3. Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
- 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application (PTO-152)
- 6. Interview Summary (PTO-413), Paper No./Mail Date _____
- 7. Examiner's Amendment/Comment
- 8. Examiner's Statement of Reasons for Allowance
- 9. Other _____

Double Patenting

1. The Terminal Disclaimers, for 10/138,803, 10/138,804, and 10/138,805, have been received and placed on record.

Allowable Subject Matter

2. The following is an examiner's statement of reasons for allowance:

3. The examiner considered the Applicant's Amendment filed on 3-30-2006, and after updated search, no other prior art of record has taught that which is presented in the amended claims 1-11, 16-18, 22-32, 37-39, 43, 44, and 50-72.

4. Therefore, independent claims 1, 22, 43, and 50, are found to be allowable along with the dependent claims 2-11, 16-18, 23-32, 37-39, 44, 51, and 52-72.

5. Independent claims 1, 22, 43, and 50 when considered as a whole, are allowable over the prior art of record. Proehl teaches, in column 1, line 62 through column 2, line 25, navigating through audio/visual listings in a graphical user interface. Proehl teaches, in column 4, lines 20-46, column 9, line 42 through column 10, line 27, and in figures 9-11, allowing the user to successively display information in a electronic program guide via two sets of visual cards aligned perpendicularly to each other, where each successive display shows an television program or a programming source, being shifted through a vertically fixed focus frame (stationary cursor). Proehl teaches, in column 4, lines 34-46, using a spring-loaded switch, such as a rocker switch, that successively scrolls when held in a direction and upon release discontinues the successive display. Proehl further teaches replacing the first sequence of cards with a

second sequence of elements (see column 3, lines 29-48 and figures 9-11). In this instance of claims the horizontal set of elements would be viewed as the first sequence, and the vertical sequence of channels in Proehl would be viewed as the second sequence. Proehl is supplemented by Matthews who teaches an electronic program guide capable of selection of item in two dimensions where the two sequences (left/right sequence and up/down sequence) are perpendicular to each other (see figure 11, and column 17, lines 23-44), similar to that of Proehl, but further teaches, in column 10, lines 26-36, column 13, lines 1-20, column 15, lines 27-36, column 17, lines 23-44, and in figure 11, that whether moving items in the EPG up, down, right, or left, they are all moved through one stationary focus in the center of the display. They, however, don't provide for the limitation: "no visual card in the first sequence is also included in the second sequence" or "the first and second sequences do not have any visual cards in common". This limitation, as supported by the specification, creates an independence of lists where when one list is selected to be changed, the selected list's corresponding elements are displayed in the focal region, overlapping the other list's elements.

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Conclusion

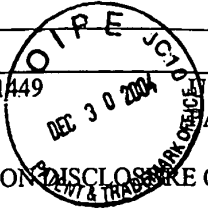
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dennis G. Bonshock whose telephone number is (571) 272-4047. The examiner can normally be reached on Monday - Friday, 6:30 a.m. - 4:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cabeca can be reached on (571) 272-4048. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

6-6-06
DGB


**RAYMOND J. BAYERL
PRIMARY EXAMINER
ART UNIT 2173**



FORM PTO-1449 (REV. 7-80) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 50588/299

APPLICATION NO. 10/138,810

INFORMATION DISCLOSURE CITATION

Title: **SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE**

APPLICANT - James A. Billmaier et al.

FILING DATE- May 3, 2002

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
XG	A1 6,678,891 B1	01/13/04	Wilcox et al.	725	42	11/19/98
	A2 5,682,511	10/28/97	Sposato et al.	395	353	05/05/95
	A3 6,690,391 B1	02/10/04	Proehl et al.	345	720	07/13/00
	A4 6,642,939 B1	11/04/03	Vallone et al.	345	721	03/30/00
	A5 5,623,613	04/22/97	Rowe et al.	395	353	11/29/94
	A6 6,266,098 B1	07/24/01	Cove et al.	348	563	10/22/97
	A7 6,344,880 B1	02/05/02	Takahashi et al.	348	563	05/14/98
	A8 5,398,074	03/14/95	Duffield et al.	348	564	07/11/94
	A9 5,602,596	02/11/97	Claussen et al.	348	564	04/08/94
	A10 5,606,374	02/25/97	Bertram	348	565	05/31/95
XG	A11 5,621,456	04/15/97	Florin et al.	348	7	06/22/93

U.S. PATENT APPLICATION PUBLICATIONS

XG	B1 2002/0070958 A1	06/13/02	Yeo et al.	345	723	01/22/99
	B2 2002/0078440 A1	06/20/02	Feinberg et al.	725	9	12/14/00
XG	B3 2002/0056129	05/09/02	Blacketter et al.	725	112	10/05/99

EXAMINER

DATE CONSIDERED

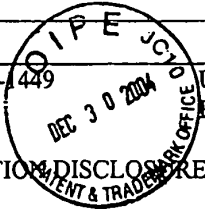
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY / PATENT OFFICE	CLASS SUBCLASS	TRANSLATION	
					YES	NO

The PTO did not receive the following listed item(s) References No. B1, B2 & B3

Sheet 2 of 2



FORM PTO-1449
(REV. 7-80)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
50588/299

APPLICATION NO.
10/138,810

INFORMATION DISCLOSURE CITATION

APPLICANT - James A. Billmaier et al.


Title: **SYSTEM AND METHOD FOR FOCUSED NAVIGATION
WITHIN A USER INTERFACE**

FILING DATE-
May 3, 2002

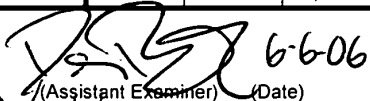
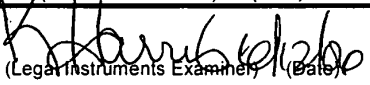
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication, etc.)

	C1	Nokia Mediaterminal 511S; www.nokia.com/multimedia/pdf/mediaterminal.pdf ; pp. 1-12; 12/11/2001.
	C2	Nokia Mediamaster 9470S; http://www.digitv.de/ifa01/nokia9470s.shtml ; pp. 1-2; 12/11/2001.
EXAMINER		DATE CONSIDERED 6-15-06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Issue Classification 	Application/Control No. 10/138,810	Applicant(s)/Patent under Reexamination BILLMAIER ET AL.
	Examiner Dennis G. Bonshock	Art Unit 2173

ISSUE CLASSIFICATION										
ORIGINAL					INTERNATIONAL CLASSIFICATION					
CLASS		SUBCLASS			CLAIMED			NON-CLAIMED		
715		720			H	04	N	7	/25	/
CROSS REFERENCES										/
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)									/
715	719	721								/
725	39	41	52							/
										/
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										/
										/

 (Assistant Examiner) (Date) 6-6-06	RAYMOND J. BAYER PRIMARY EXAMINER (Print Name) (Date) 8 June 06	Total Claims Allowed: 53
 (Legal Instruments Examiner) (Date) 6/6/06	ART UNIT 2173	O.G. Print Claim(s) 50 O.G. Print Fig. 10

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant		<input type="checkbox"/> CPA		<input type="checkbox"/> T.D.		<input type="checkbox"/> R.1.47							
Final	Original	Final	Original	Final	Original	Final	Original						
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2	2	37	32	25	62		92		122		152		182
3	3		33	41	63		93		123		153		183
5	4		34	42	64		94		124		154		184
6	5		35	43	65		95		125		155		185
7	6		36	29	66		96		126		156		186
8	7	38	37	44	67		97		127		157		187
9	8	39	38	45	68		98		128		158		188
10	9	40	39	46	69		99		129		159		189
11	10		40	47	70		100		130		160		190
12	11		41	48	71		101		131		161		191
	12		42	49	72		102		132		162		192
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34	29	22	59		89		119		149		179		209
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EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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L4	14	@pd>"20060221" and 715/719.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/06 06:55
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S5	1	("6028600").PN.	USPAT	OR	OFF	2005/01/04 09:34
S6	1	("6418556").PN.	USPAT	OR	OFF	2005/01/04 09:34
S7	1	("6690391").PN.	USPAT	OR	OFF	2005/01/04 10:38

EAST Search History

S8	1	("6642939").PN.	USPAT	OR	OFF	2005/01/04 10:38
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S10	1	"6452609".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:15
S11	1	"6445398".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:15
S12	1	"6128009".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:15
S13	1	"6072483".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:16
S14	1	"6034677".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:16
S15	1	"6028600".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:16
S16	1	"6020930".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:17
S17	1	"6005562".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:17
S18	1	"5973682".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:17
S19	1	"5956035".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:17
S20	1	"5903314".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:18
S21	1	"5793366".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:18
S22	1	"5530455".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:18
S23	1	"5867208".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:18
S24	1	"5850218".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:18
S25	1	"5844552".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:21
S26	1	"5850218".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:21
S27	1	"5815145".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:22
S28	1	"5812123".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:22
S29	1	"5699106".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:22

EAST Search History

S30	1	"5677708".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:22
S31	1	"5677708".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:22
S32	1	"5585865".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:22
S33	1	"5543818".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:23
S34	1	"5524195".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:23
S35	1	"5512954".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:23
S36	1	"5485197".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:23
S37	1	"5410344".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:23
S38	2	@ad<"20010829" and "6690391"	USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/05 09:36
S42	41	@ad<"20010829" and 715/720.ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 09:00
S43	15	@ad<"20010829" and "715"/\$.ccls. and "television program" same card	USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 09:01
S44	115	@ad<"20010829" and "715"/\$.ccls. and ("television program" "program guide") same (list card)	USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 09:02
S45	26	@ad<"20010829" and "715"/\$.ccls. and ("television program" "program guide") same (list card) same sets	USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 09:02
S46	4	(("5838326") or ("6005565") or ("6470381") or ("6708172")).PN.	USPAT	OR	OFF	2005/06/01 09:18
S47	1	("6642939").PN.	USPAT	OR	OFF	2005/06/01 09:18
S48	14	(US-5812124-\$ or US-5850218-\$ or US-6005601-\$ or US-6028600-\$ or US-6037933-\$ or US-6151059-\$ or US-6175362-\$ or US-6281898-\$ or US-6418556-\$ or US-6563515-\$ or US-6577350-\$ or US-6642939-\$ or US-6678891-\$ or US-6690391-\$). did.	USPAT	OR	OFF	2005/06/01 09:22
S49	0	("L3andhold").PN.	USPAT	OR	OFF	2005/06/01 09:22
S50	2	S48 and hold	USPAT	OR	OFF	2005/06/01 09:22
S51	1	("5673401").PN.	USPAT	OR	OFF	2005/06/01 10:05

EAST Search History

S52	108	715/721.ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/03 07:55
S53	68	725/56.ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/03 09:02
S54	1	"6028600".PN.	USPAT; USOCR	OR	OFF	2005/06/03 08:58
S55	4	"6281940"	USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/03 09:02
S57	74	725/41.ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/03 09:58
S58	66	725/52.ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/04 07:16
S59	223	725/39.ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/03 10:06
S60	17	725/39.ccls. and focus	USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/03 10:06
S61	19	725/39.ccls. and (focus focal)	USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/03 10:06
S62	18	(US-5812124-\$ or US-5850218-\$ or US-6005601-\$ or US-6028600-\$ or US-6037933-\$ or US-6151059-\$ or US-6175362-\$ or US-6281898-\$ or US-6418556-\$ or US-6563515-\$ or US-6577350-\$ or US-6642939-\$ or US-6678891-\$ or US-6690391-\$ or US-5673401-\$ or US-6281940-\$ or US-6425129-\$ or US-6262722-\$). did.	USPAT	OR	OFF	2005/06/06 16:32
S63	10	S62 and last	USPAT	OR	OFF	2005/06/06 16:33
S64	18	(US-5673401-\$ or US-5812124-\$ or US-5850218-\$ or US-6005601-\$ or US-6028600-\$ or US-6037933-\$ or US-6151059-\$ or US-6175362-\$ or US-6262722-\$ or US-6281898-\$ or US-6281940-\$ or US-6418556-\$ or US-6425129-\$ or US-6563515-\$ or US-6577350-\$ or US-6642939-\$ or US-6678891-\$ or US-6690391-\$). did.	USPAT	OR	OFF	2005/06/09 07:26
S65	1	S64 and test	USPAT	OR	OFF	2005/06/09 13:29

EAST Search History

S66	0	("10270738").PN.	USPAT	OR	OFF	2005/06/09 13:29
S67	2	("10270738").PN.	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/06/09 13:29
S68	6	@ad<"20010829" and @pd>"20041126" and 715/721.ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/09 13:38
S69	1	@ad<"20010829" and @pd>"20041126" and 715/720.ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/09 13:38
S70	3	"6910191"	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/01 15:34
S71	1	"6678891".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:25
S72	1	"6597358".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:25
S73	1	"6594825".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:25
S74	1	"6538672".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:25
S75	1	"6483548".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:25
S76	1	"6412110".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:26
S77	1	"6243071".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:26
S78	1	"6175362".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:26
S79	1	"6128009".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:26
S80	1	"6100884".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:27
S81	1	"6034688".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:27
S82	1	"6016144".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:27
S83	1	"6008803".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:27
S84	1	"6005601".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:28
S85	1	"5860067".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:28
S86	1	"5815155".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:28

EAST Search History

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S90	1	"5737029".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:29
S91	1	"5677708".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:29
S92	1	"5664128".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:32
S93	1	"5598527".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:32
S94	1	"5485175".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:32
S95	1	"5452414".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:32
S96	1	"5289573".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:33
S97	1	"5283560".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:33
S98	1	"5119079".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:33
S99	1	"5095965".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:33
S10 0	1	"5059965".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:33
S10 1	0	Segeberg.in. with thomas	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/01 15:36
S10 2	2	Segeberg.in. with tomas	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/01 15:56
S10 3	11	bernhardson.in.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/01 15:56
S10 4	1	("5838326").PN.	USPAT	OR	OFF	2005/08/02 09:48
S10 5	2	("20020033848").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/02 10:12

EAST Search History

S10 6	2	("6538672").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/02 10:12
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S10 8	0	("L20andepisod").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/02 10:13
S10 9	4	S107 and episod\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/02 10:13
S11 0	22	(US-20020033848-\$).did. or (US-5673401-\$ or US-5812124-\$ or US-5850218-\$ or US-6005601-\$ or US-6028600-\$ or US-6037933-\$ or US-6151059-\$ or US-6175362-\$ or US-6262722-\$ or US-6281898-\$ or US-6281940-\$ or US-6418556-\$ or US-6425129-\$ or US-6563515-\$ or US-6577350-\$ or US-6642939-\$ or US-6678891-\$ or US-6690391-\$ or US-6910191-\$ or US-6538672-\$ or US-5677708-\$).did.	US-PGPUB; USPAT	OR	OFF	2005/08/02 15:18
S11 1	3	S110 and perpendicular	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/02 14:44
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S11 3	2	("20030001898").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/02 15:18
S11 4	29	"5677708"	USPAT	OR	OFF	2005/08/02 15:59
S11 5	3	"6281940"	USPAT	OR	OFF	2005/08/02 16:00

EAST Search History

S11 6	1	"6690391"	USPAT	OR	OFF	2005/08/02 16:00
S11 7	3	"6538672"	USPAT	OR	OFF	2005/08/02 16:01
S11 8	4	"6642939"	USPAT	OR	OFF	2005/08/02 16:02
S11 9	2	"20030093792"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/02 16:19
S12 0	4	(("6690391") or ("5850218")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/02 16:19
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S12 2	4	@pd>"20050601" and 715/719.ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/03 07:57
S12 3	6	@pd>"20050601" and 725/39.ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/03 07:57
S12 4	2	@pd>"20050601" and 725/41.ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/03 07:58
S12 5	2	@pd>"20050601" and 725/52.ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/03 07:58
S12 6	1	"5059965".PN.	USPAT; USOCR	OR	OFF	2005/08/03 07:59
S12 7	1	"6678891".PN.	USPAT; USOCR	OR	OFF	2005/08/03 07:59
S12 8	173	725/37.ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/04 07:16
S12 9	114	725/38.ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/04 07:16
S13 0	229	725/39.ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/04 07:16
S13 1	2	(("6163345") or ("6188406")).PN.	USPAT	OR	OFF	2005/08/04 11:48

EAST Search History

S13 2	18	((("4241521") or ("4313113") or ("5059965") or ("5283560") or ("5485175") or ("5677708") or ("5751369") or ("5815155") or ("6236396") or ("6323883") or ("6538672") or ("6702284") or ("6910191") or ("20030001898") or ("20030001907") or ("20030169302") or ("20040008229") or ("20040233238"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/02/14 11:20
S13 3	12	((("5663757") or ("6020930") or ("5524195") or ("6266059") or ("6313851") or ("20030090524") or ("20020033848") or ("20030093792") or ("20020152374") or ("6538672") or ("6613100") or ("20030052900"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/02/14 11:21
S13 4	2	((("6461298") or ("5954650"))).PN.	USPAT	OR	OFF	2006/02/14 14:14
S13 5	12	((("5663575") or ("6020930") or ("0524195") or ("6266059") or ("6313851") or ("20030090524") or ("20020033848") or ("20030093792") or ("20020152474") or ("6538672") or ("6613100") or ("20030052900"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/02/20 14:13
S13 6	5	((("5663575") or ("0524195") or ("20030090524") or ("20030093792") or ("20030052900"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/02/20 14:12
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S13 8	12	((("5663757") or ("5524195") or ("6020930") or ("6266059") or ("6313851") or ("20030090524") or ("20020033848") or ("20030093792") or ("20020152474") or ("6538672") or ("6613100") or ("20030052900"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/02/20 14:25
S13 9	7	Segeberg.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/20 15:27
S14 0	20	@pd>"20050804" and 715/721.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/20 15:29

EAST Search History

S14 1	37	@pd>"20050804" and 715/719.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/20 15:31
S14 2	9	@pd>"20050804" and 715/720.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/20 15:33
S14 3	8	@pd>"20050804" and 725/56.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/20 15:33
S14 4	20	@pd>"20050804" and 725/41.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/20 15:35
S14 5	36	@pd>"20050804" and 725/52.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/20 15:41
S14 6	91	@pd>"20050804" and 725/39.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/20 15:45
S14 7	46	@pd>"20050804" and 725/38.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/20 15:50
S14 8	59	@pd>"20050804" and 725/37.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/26 16:08
S14 9	3	(("20030169302") or ("20020060746") or ("6938208")). PN.	US-PGPUB; USPAT	OR	OFF	2006/03/09 08:45
S15 0	99	@pd>"20050609" and 725/37.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/26 16:10
S15 1	14	@pd>"20050609" and 725/56.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/26 16:10
S15 2	30	@pd>"20050609" and 725/41.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/26 16:10

EAST Search History

S15 3	65	@pd>"20050609" and 725/52.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/26 16:11
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S15 5	27	@pd>"20050609" and 715/721.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/26 16:11
S15 6	16	@pd>"20050609" and 715/720.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/26 16:11
S15 7	50	@pd>"20050609" and 715/719.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/26 16:12

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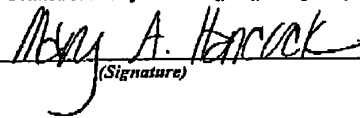
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COMMENTS:

Attached is an Amendment and accompanying documents for Serial No. 10/138,810, filed May 3, 2002, entitled SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE.

MAR 30 2006

CERTIFICATE OF TRANSMISSION BY FACSIMILE (37 CFR 1.8)			Docket No. 50588/299
Applicant(s): James A. Billmaier et al.			
Application No. 10/138,810	Filing Date May 3, 2002	Examiner Dennis G. Bonshock	Group Art Unit 2173
Invention: SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE			
<p>I hereby certify that this <u>Amendment Transmittal Letter (1 pg.) and Amendment (17 pgs.)</u> <i>(Identify type of correspondence)</i> is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. <u>571.273.8300</u>) on <u>March 30, 2006.</u> <i>(Date)</i></p> <p style="text-align: right;"> <u>Mary A. Hancock</u> <i>(Typed or Printed Name of Person Signing Certificate)</i>  <i>(Signature)</i> </p> <p style="text-align: center;">Note: Each paper must have its own certificate of mailing.</p>			

F18/REV02

Docket No. 50588/299 (formerly 260042.501)
Digeo Ref. 419.15

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

James A. Billmaier et al.

Confirmation No. 4013

Application No. 10/138,810

Filed: May 3, 2002

For: **SYSTEM AND METHOD FOR
FOCUSED NAVIGATION WITHIN A
USER INTERFACE**

Group Art Unit: 2173

Examiner: Dennis G. Bonshock

Date: March 30, 2006

AMENDMENT

TO THE COMMISSIONER FOR PATENTS:

In response to the Office Action mailed March 24, 2006, please amend the above-identified patent application as follows.

Amendments to the Claims are reflected in the listing of claims that begins on page 2 of this paper.

Remarks begin on page 16 of this paper.

Listing of Claims:

1. (previously presented) A method for navigation of a plurality of options within a user interface, the method comprising:

scrolling only visual cards from a first sequence of visual cards representing a first type of option through a spatially-fixed focus area of the user interface, wherein the visual cards of the first sequence are both aligned with and scrolled along a first axis;

enabling scrolling of a particular visual card of the first sequence of visual cards into the focus area; and

scrolling only visual cards from a second sequence of visual cards representing a second type of option through the focus area, wherein the visual cards of the second sequence are both aligned with and scrolled along a second axis, wherein the first axis is perpendicular to the second axis such that the respective visual cards from the first and second sequences are scrolled into the focus area from perpendicular directions, and wherein no visual card of the first sequence is also included in the second sequence.

2. (previously presented) The method of claim 1, further comprising replacing the second sequence of visual cards along the second axis with a third sequence of visual cards along the second axis, the third sequence of visual cards representing a third type of option, in response to a different visual card from the first sequence being scrolled into the focus area.

3. (previously presented) The method of claim 1, further comprising pausing the scrolling of the first sequence of visual cards in response to a user command.

4. (previously presented) The method of claim 1, wherein the visual cards of the second sequence graphically represent broadcast television channels.

5. (previously presented) The method of claim 1, wherein the visual cards of the second sequence graphically represent broadcast television networks.

6. (previously presented) The method of claim 1, wherein the visual cards of the second sequence graphically represent television programs.

7. (previously presented) The method of claim 1, wherein the visual cards of the first sequence graphically represent different types of media.

8. (previously presented) The method of claim 1, wherein the scrolling of visual cards is in response to a single user action.

9. (previously presented) The method of claim 8, further comprising enabling selection of the visual card within the focus area in response to an additional user action.

10 (original) The method of claim 9, wherein selection of a particular visual card is in response to a single user action.

11. (previously presented) The method of claim 1, wherein the visual cards from the second sequence respectively represent television programming sources in a particular broadcast time slot, the method further comprising replacing the second sequence of visual cards with a third sequence of visual cards in response to a single user command, each visual card of the third sequence of visual cards representing the television programming sources in a later broadcast time slot.

Claims 12-15 (canceled).

16. (previously presented) The method of claim 1, wherein the visual cards of the first sequence represent broadcast television channels, and wherein the visual cards of the second sequence broadcast represent time slots.

17. (previously presented) The method of claim 1, wherein the visual cards of the first sequence represent broadcast television networks, and wherein the visual cards of the second sequence broadcast represent time slots.

18. (previously presented) The method of claim 1, wherein the visual cards of the first sequence represent television programs, and wherein the visual cards of the second sequence represent broadcast time slots.

Claims 19-21 (canceled).

22. (previously presented) A system for focused navigation of a plurality of options within a user interface, the system comprising:

a user input detector configured to detect actions of a user; and

a processor configured to scroll only visual cards from a first sequence of visual cards through a spatially-fixed focus area of the user interface in response to a first user command, wherein the visual cards of the first sequence correspond to a first type of option and are both aligned with and scrolled along a first axis, wherein the processor is further configured to enable scrolling by a user of a particular visual card of the first sequence of visual cards into the focus area, wherein the processor is further configured to only scroll visual cards from a second sequence of visual cards through the focus area in response to a second user command, wherein the visual cards of the second sequence of visual cards correspond to a second type of option and are both aligned with and scrolled along a second axis, wherein the first axis is perpendicular to the second axis such that the respective visual cards from the first and second sequences are scrolled in perpendicular directions, and wherein the first and second sequences do not have any visual cards in common.

23. (previously presented) The system of claim 22, wherein the processor is further configured to replace the second sequence of visual cards along the second axis with a third sequence of visual cards along the second axis, the third sequence of visual cards corresponding to a third type of option, in response to a

different visual card from the first sequence being scrolled by the user into the focus area.

24. (previously presented) The system of claim 22, wherein the processor is further configured to pause the scrolling of the first sequence of visual cards.

25. (previously presented) The system of claim 22, wherein the visual cards of the second sequence graphically represent broadcast television channels.

26. (previously presented) The system of claim 22, wherein the visual cards of the second sequence graphically represent broadcast television networks.

27. (previously presented) The system of claim 22, wherein the visual cards of the second sequence graphically represent television programs.

28. (previously presented) The system of claim 22, wherein the visual cards of the first sequence graphically represent different types of media.

29. (previously presented) The system of claim 22, wherein the processor scrolls the visual cards in response to a single user action.

30. (previously presented) The system of claim 29, wherein the processor is to enable selection of the visual card in the focus area in response to an additional user action.

31. (previously presented) The system of claim 30, wherein selection of a particular visual card is in response to a single user action.

32. (previously presented) The system of claim 22, wherein the visual cards from the second sequence respectively represent television programming sources in a particular broadcast time slot, and wherein the processor is further configured to replace the second sequence of visual cards with a third sequence of visual cards in response to a single user command, each visual card of the third sequence of visual cards representing the television programming sources in a later broadcast time slot.

Claims 33-36 (canceled).

37. (previously presented) The method of claim 22, wherein the visual cards of the first sequence represent broadcast television channels, and wherein the visual cards of the second sequence represent time slots.

38. (previously presented) The method of claim 22, wherein the visual cards of the first sequence represent broadcast television networks, and wherein the visual cards of the second sequence represent time slots.

39. (previously presented) The method of claim 22, wherein the visual cards of the first sequence represent television programs, and wherein the visual cards of the second sequence represent time slots.

Claims 40-42 (canceled).

43. (currently amended) A method for navigation of a plurality of options within a user interface of an interactive television system, the method comprising:

horizontally scrolling a first sequence of visual cards through a spatially-fixed focus area of the user interface, the visual cards of the first sequence of visual cards representing applications within the interactive television system, wherein the visual cards of the first sequence are both aligned with and scrolled along a horizontal axis intersecting the focus area; and

in response to a user horizontally scrolling a particular visual card of the first sequence of visual cards corresponding to a television application into the focus area, enabling vertically scrolling of a second sequence of visual cards through the focus area, the visual cards of the second sequence of visual cards representing a television programs, wherein the visual cards of the second sequence are both aligned with and scrolled along vertical axis intersecting the focus area, and wherein vertical scrolling of the second sequence does not affect visual cards of the first sequence outside of the focus area, wherein no visual card of the first sequence is also included in the second sequence.

44. (previously presented) The method of claim 43, further comprising replacing the second sequence of visual cards along the vertical axis with a third sequence of visual cards along the vertical axis, the third sequence of visual cards corresponding to options associated with a different application within the

interactive television system in response to a different visual card from the first sequence being scrolled into the focus area.

Claims 45-49 (canceled).

50. (currently amended) A system for focused navigation of a plurality of options within a user interface, the system comprising:

means for scrolling only visual cards from a first sequence of visual cards through a horizontally and vertically fixed focus area along a first axis of the user interface to which the first sequence of visual cards is aligned, each visual card of the first sequence corresponding to a first type of option; and

means for scrolling only visual cards from a second sequence of visual cards through the focus area along a second axis of the user interface to which the second sequence of visual cards is aligned, each visual card of the second sequence corresponding to a second type of option, wherein the first axis is perpendicular to the second axis such that the respective visual cards from the first and second sequences are scrolled in perpendicular directions, wherein no visual card of the first sequence is also included in the second sequence.

51. (previously presented) The system of claim 50, wherein the visual cards of the first sequence graphically represent at least one of broadcast television channels, broadcast television networks, and television programs.

52. (previously presented) The method of claim 1, wherein the first axis is a horizontal axis and the second axis is a vertical axis.

53. (previously presented) The method of claim 1, wherein the first axis is a vertical axis and the second axis is a horizontal axis.

54. (previously presented) The method of claim 1, further comprising determining the second sequence of visual cards based on a user-selected visual card from the first sequence.

55. (previously presented) The method of claim 3, wherein transitioning from pausing the scrolling of the first sequence to scrolling the second sequence is in response to a single user action.

56. (previously presented) The method of claim 1, wherein the first and second sequences intersect to form quadrants within the user interface, the method further comprising displaying supplemental information related to the visual card within the focus area in at least one of the quadrants formed by the intersecting sequences.

57. (previously presented) The method of claim 1, wherein each visual card includes a picture for graphically representing a television program or television programming source.

58. (previously presented) The method of claim 57, wherein at least one picture comprises a captured video frame.

59. (previously presented) The method of claim 57, wherein at least one picture comprises an animation.

60. (previously presented) The method of claim 1, wherein the visual cards from the second set represent broadcast time slots, the method further comprising replacing the second set of visual cards with a third set of visual cards in response to a single user command, each visual card of the third set of visual cards representing an earlier broadcast time slot.

61. (previously presented) The method of claim 1, wherein the visual cards of the first sequence represent selectable categories of options and wherein the visual cards of the second sequence represent options from a selected category.

62. (previously presented) The method of claim 1, further comprising accelerating the scrolling of the first sequence of visual cards based on how long a remote control button is held down by a user.

63. (previously presented) The system of claim 22, wherein the first axis is a horizontal axis and the second axis is a vertical axis.

64. (previously presented) The system of claim 22, wherein the first axis is a vertical axis and the second axis is a horizontal axis.

65. (previously presented) The system of claim 22, wherein the processor is further configured to determine the second set of visual cards based on a user-selected visual card from the first sequence.

66. (previously presented) The system of claim 24, wherein transitioning from pausing the scrolling of the first sequence to scrolling the second sequence is accomplished in response to a single user action.

67. (previously presented) The system of claim 22, wherein the first and second sequences intersect to form quadrants within the user interface, and wherein the processor is further configured to display supplemental information related to the visual card within the focus area in at least one of the quadrants formed by the intersecting sequences.

68. (previously presented) The system of claim 22, wherein each visual card includes a picture for graphically representing a television program or television programming source.

69. (previously presented) The system of claim 68, wherein at least one picture comprises a captured video frame.

70. (previously presented) The system of claim 68, wherein at least one picture comprises an animation.

71. (previously presented) The system of claim 22, wherein the visual cards from the second set represent broadcast time slots, and wherein the processor is further configured to replace the second set of visual cards with a third set of visual cards in response to a single user command, each visual card of the third set of visual cards representing an earlier broadcast time slot.

72. (previously presented) The system of claim 22, wherein the processor is further configured to accelerate the scrolling of the first sequence of visual cards based on how long a remote control button is held down by a user.

Remarks

Claims 1-11, 16-18, 22-32, 37-39, 43, 44, and 48-72 are pending in the application. Claims 1-11, 16-18, 22-32, 37-39, and 52-72 have been allowed. Claims 43, 44, and 48-51 remain rejected. By this paper, claims 43 and 50 have been amended, and claims 48 and 49 have been canceled. Reconsideration of all pending claims herein is respectfully requested.

Claim 48 was rejected under 35 U.S.C. § 101. Because claim 48 has been canceled, applicants respectfully submit that the § 101 rejection is moot.

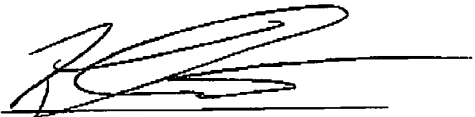
Applicants have amended rejected claims 43 and 50 to include the following limitation: "wherein no visual card in the first sequence is also included in the second sequence." In paragraph 18 of the Office Action, the Examiner indicated that this limitation is not taught by the prior art of record. Accordingly, inclusion of the limitation in claims 43 and 50 is believed patentably distinguish these claims from the prior art.

In view of the foregoing, all claims are believed to be in condition for allowance. A Notice of Allowance is courteously requested. If any issues remain, the Examiner is encouraged to contact the undersigned at the telephone number provided below.

Respectfully submitted,

Digeo, Inc.

By



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PATENT APPLICATION FEE DETERMINATION RECORD
Effective October 1, 2001

Application or Docket Number
76138810

CLAIMS AS FILED - PART I

	(Column 1)	(Column 2)
TOTAL CLAIMS	51	
FOR	NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS	5 minus 20 =	3
INDEPENDENT CLAIMS	5 minus 3 =	2
MULTIPLE DEPENDENT CLAIM PRESENT <input type="checkbox"/>		

* If the difference in column 1 is less than zero, enter "0" in column 2

SMALL ENTITY TYPE OR OTHER THAN SMALL ENTITY

RATE	FEE	OR	RATE	FEE
BASIC FEE	370.00	OR	BASIC FEE	740.00
X\$ 9=		OR	X\$18=	58
X42=		OR	X84=	168
+140=		OR	+280=	
TOTAL		OR	TOTAL	

CLAIMS AS AMENDED - PART II

5/25/05

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	58	Minus = 50	8
Independent	5	Minus = 5	
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

SMALL ENTITY OR OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
X\$ 9=		OR	X\$18=	400.00
X42=		OR	X84=	
+140=		OR	+280=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	400.00

12/27/05

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	55	Minus = 58	0
Independent	6	Minus = 5	0
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
X\$ 9=		OR	X\$18=	
X42=		OR	X84=	
+140=		OR	+280=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	0.00

3-30-06

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	53	Minus = 58	
Independent	4	Minus = 5	
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
X\$ 9=		OR	X\$18=	
X42=		OR	X84=	
+140=		OR	+280=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" in THIS SPACE is less than 20, enter "20."
 *** If the "Highest Number Previously Paid For" in THIS SPACE is less than 3, enter "3."
 The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

TU



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/138,810	05/03/2002	James A. Billmaier	50588/299	4013
32641	7590	03/24/2006	EXAMINER	
DIGEO, INC C/O STOEL RIVES LLP 201 SOUTH MAIN STREET, SUITE 1100 ONE UTAH CENTER SALT LAKE CITY, UT 84111			BONSHOCK, DENNIS G	
			ART UNIT	PAPER NUMBER
			2173	

DATE MAILED: 03/24/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/138,810	Applicant(s) BILLMAIER ET AL.	
	Examiner Dennis G. Bonshock	Art Unit 2173	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 27 December 2005.
- 2a) This action is FINAL.
- 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-11, 16-18, 22-32, 37-39, 43, 44 and 48-72 is/are pending in the application.
 - 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) 1-11, 16-18, 22-32, 37-39, and 52-72 is/are allowed.
- 6) Claim(s) 43, 44 and 48-51 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 - 1. Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. _____.
 - 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date _____.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____.

Non-Final Rejection

Response to Amendment

1. It is hereby acknowledged that the following papers have been received and placed on record in the file: Amendment as received on 12-27-2005.

2. Claims 1-72 have been examined.

Status of Claims:

3. Claim 43, 44, and 48-51 are rejected under 35 U.S.C. 103(a) as being unpatentable over Proehl et al., Patent #6,690,391, hereinafter Proehl and Matthews III et al., Patent #5,677,708, hereinafter Matthews.

4. Claims 1-11, 16-18, 22-32, 37-39, and 52-72 are allowable.

5. Claims 12-15, 19-21, 33-36, 40-42, and 45-47 have been cancelled by the applicant.

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

6. Claim 48 is rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. The claim refers to a carrier signal which is not tangibly embodied.

Double Patenting

7. The Terminal Disclaimers, for 10/138,803, 10/138,804, and 10/138,805, have been received and placed on record.

Claim Rejections - 35 USC § 103

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9. Claim 43, 44, and 48-51 are rejected under 35 U.S.C. 103(a) as being unpatentable over Proehl et al., Patent #6,690,391, hereinafter Proehl and Matthews III et al., Patent #5,677,708, hereinafter Matthews.

10. With regard to claim 43, Proehl teaches, in column 1, line 62 through column 2, line 25, navigating through audio/visual listings in a graphical user interface. Proehl teaches, in column 4, lines 20-46, column 9, line 42 through column 10, line 27, and in figures 9-11, allowing the user to successively display information in a electronic program guide via two sets of visual cards aligned perpendicularly to each other, where each successive display shows an television program or a programming source, being shifted through a vertically fixed focus frame (stationary cursor). Proehl teaches, in column 4, lines 34-46, using a spring-loaded switch, such as a rocker switch, that successively scrolls when held in a direction and upon release discontinues the successive display. Proehl further teaches replacing the first sequence of cards with a

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second sequence of elements (see column 3, lines 29-48 and figures 9-11). In this instance of claims the horizontal set of elements would be viewed as the first sequence, and the vertical sequence of programs in Proehl would be viewed as the second sequence. Proehl, however, doesn't teach them both being moved through a vertically and horizontally fixed focus area. Matthews teaches, an electronic program guide capable of selection of item in two dimensions where the two sequences (left/right sequence and up/down sequence) are perpendicular to each other (see figure 11, and column 17, lines 23-44), similar to that of Proehl, but further teaches, in column 10, lines 26-36, column 13, lines 1-20, column 15, lines 27-36, column 17, lines 23-44, and in figure 11, that whether moving items in the EPG up, down, right, or left, they are all moved through one stationary focus in the center of the display. It would have been obvious to one of ordinary skill in the art, having the teachings of Proehl and Matthews before him at the time the invention was made to modify the EPG of Proehl to rotate all items (vertically or horizontally arranged) through one stationary focus. One would have been motivated to make such a combination because this provides the user with a display that clearly shows what item is focused, by maintaining it in a center position of the display (similar to Proehl's vertically fixed focus).

11. With regard to claim 44, which teaches replacing the second sequence of visual cards along the vertical axis with a third sequence of visual cards along the vertical axis, the third sequence of visual cards corresponding to options associated with a different application within the interactive television system in response to a different visual card from the first sequence being scrolled into the focus area, Proehl teaches, in column 10,

lines 1-27 and in figures 9-11, a user initiated horizontal scroll causing a new sequence of visual cards to be displayed intersecting the focus area.

12. With regard to claim 48, Proehl teaches, in column 1, line 62 through column 2, line 25, navigating through audio/visual listings in a graphical user interface. Proehl teaches, in column 4, lines 20-46, column 9, line 42 through column 10, line 27, and in figures 9-11, allowing the user to successively display information in a electronic program guide via two sets of visual cards aligned perpendicularly to each other, where each successive display shows an television program or a programming source, being shifted through a vertically fixed focus frame (stationary cursor). Proehl teaches, in column 4, lines 34-46, using a spring-loaded switch, such as a rocker switch, that successively scrolls when held in a direction and upon release discontinues the successive display. Proehl further teaches replacing the first sequence of cards with a second sequence of elements (see column 3, lines 29-48 and figures 9-11). In this instance of claims the horizontal set of elements (selecting which group of options to select (channel, network, show, timeslot, etc.)) would be viewed as the first sequence, and the vertical set of elements (selecting items within a group) would be viewed as the second sequence. Proehl, however, doesn't teach the vertical and horizontal shifting allowing shifting through the same spatially fixed focus area. Matthews teaches, an electronic program guide capable of selection of item in two dimensions where the two sequences (left/right sequence and up/down sequence) are perpendicular to each other (see figure 11, and column 17, lines 23-44), similar to that of Proehl, but further teaches, in column 10, lines 26-36, column 13, lines 1-20, column 15, lines 27-36, column 17,

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lines 23-44, and in figure 11, that whether moving items in the EPG up, down, right, or left, they are all moved through one stationary focus in the center of the display. It would have been obvious to one of ordinary skill in the art, having the teachings of Proehl and Matthews before him at the time the invention was made to modify the EPG of Proehl to rotate all items (vertically or horizontally arranged) through one stationary focus. One would have been motivated to make such a combination because this provides the user with a display that clearly shows what item is focused, by maintaining it in a center position of the display (similar to Proehl's vertically fixed focus).

13. With regard to claims 49 and 51, which teach the visual cards of the first sequence graphically represent at least one of broadcast television channels, networks, and programs, Proehl teaches, in column 9, lines 41-50 and in figures 9 and 11, a sequence of visual cards that represent television channels, networks, and programs.

14. With regard to claim 50, Proehl teaches, in column 1, line 62 through column 2, line 25, navigating through audio/visual listings in a graphical user interface. Proehl teaches, in column 4, lines 20-46, column 9, line 42 through column 10, line 27, and in figures 9-11, allowing the user to successively display information in a electronic program guide via two sets of visual cards aligned perpendicularly to each other, where each successive display shows an television program or a programming source, being shifted through a vertically fixed focus frame (stationary cursor). Proehl teaches, in column 4, lines 34-46, using a spring-loaded switch, such as a rocker switch, that successively scrolls when held in a direction and upon release discontinues the successive display. Proehl further teaches replacing the first sequence of cards with a

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second sequence of elements (see column 3, lines 29-48 and figures 9-11). In this instance of claims the horizontal set of elements (selecting which group of options to select (channel, network, show, timeslot, etc.)) would be viewed as the first sequence, and the vertical set of elements (selecting items within a group) would be viewed as the second sequence. Proehl, however, doesn't teach the vertical and horizontal shifting allowing shifting through the same spatially fixed focus area. Matthews teaches, an electronic program guide capable of selection of item in two dimensions where the two sequences (left/right sequence and up/down sequence) are perpendicular to each other (see figure 11, and column 17, lines 23-44), similar to that of Proehl, but further teaches, in column 10, lines 26-36, column 13, lines 1-20, column 15, lines 27-36, column 17, lines 23-44, and in figure 11, that whether moving items in the EPG up, down, right, or left, they are all moved through one stationary focus in the center of the display. It would have been obvious to one of ordinary skill in the art, having the teachings of Proehl and Matthews before him at the time the invention was made to modify the EPG of Proehl to rotate all items (vertically or horizontally arranged) through one stationary focus. One would have been motivated to make such a combination because this provides the user with a display that clearly shows what item is focused, by maintaining it in a center position of the display (similar to Proehl's vertically fixed focus).

Allowable Subject Matter

15. The following is an examiner's statement of reasons for allowance:

16. The examiner considered the Applicant's Amendment filed on 12-27-2005, and after updated search, no other prior art of record has taught that which is presented in the amended claims 1-11, 16-18, 22-32, 37-39, and 52-72.

17. Therefore, independent claims 1 and 22, are found to be allowable along with the dependent claims 2-11, 16-18, 23-32, 37-39, and 52-72.

18. Independent claims 1 and 22 when considered as a whole, are allowable over the prior art of record. Proehl teaches, in column 1, line 62 through column 2, line 25, navigating through audio/visual listings in a graphical user interface. Proehl teaches, in column 4, lines 20-46, column 9, line 42 through column 10, line 27, and in figures 9-11, allowing the user to successively display information in a electronic program guide via two sets of visual cards aligned perpendicularly to each other, where each successive display shows an television program or a programming source, being shifted through a vertically fixed focus frame (stationary cursor). Proehl teaches, in column 4, lines 34-46, using a spring-loaded switch, such as a rocker switch, that successively scrolls when held in a direction and upon release discontinues the successive display. Proehl further teaches replacing the first sequence of cards with a second sequence of elements (see column 3, lines 29-48 and figures 9-11). In this instance of claims the horizontal set of elements would be viewed as the first sequence, and the vertical sequence of channels in Proehl would be viewed as the second sequence. Proehl is supplemented by Matthews who teaches an electronic program guide capable of selection of item in two dimensions where the two sequences (left/right sequence and up/down sequence) are perpendicular to each other (see figure 11, and column 17,

lines 23-44), similar to that of Proehl, but further teaches, in column 10, lines 26-36, column 13, lines 1-20, column 15, lines 27-36, column 17, lines 23-44, and in figure 11, that whether moving items in the EPG up, down, right, or left, they are all moved through one stationary focus in the center of the display. They, however, don't provide for the limitation: "no visual card in the first sequence is also included in the second sequence" or "the first and second sequences do not have any visual cards in common". This limitation, as supported by the specification, creates an independence of lists where when one list is selected to be changed, that lists corresponding element is displayed in the focal region.

19. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Response to Arguments

20. The arguments filed on 12-27-2005 have been fully considered but they are not persuasive. Reasons set forth below.

21. The Applicants argue that "the cited references do not disclose or suggest moving two different sets of visual cards into the focus area from perpendicular directions".

22. In response, the examiner respectfully submits that Proehl teaches, in column 3, line 29 through column 4, line 20 and in figure 11, the users ability to scroll item in two

perpendicular navigable sets for elements and the two axis intersect in the focus area. This would be under the interpretation that the sequence of channel names is one sequence and the eye, "102", "MTV", "The Wallflowers Unplug...", and "7:00-7:30 PM" is the other sequence. Matthews further teaches, an electronic program guide capable of selection of item in two dimensions where the two sequences (left/right sequence and up/down sequence) are perpendicular to each other (see figure 11, and column 17, lines 23-44), similar to that of Proehl, but further teaches, in column 10, lines 26-36, column 13, lines 1-20, column 15, lines 27-36, column 17, lines 23-44, and in figure 11, that whether moving items in the EPG up, down, right, or left, they are all moved through one stationary focus in the center of the display.

23. The Applicants argue that "Cited references do not disclose a focus area that is both vertically and horizontally fixed within the user interface".

24. In response, the examiner respectfully submits that Proehl teaches, in column 3, lines 29-48 and figures 9-11, moving a vertical sequence of visual cards through a fixed cursor, and upon a horizontal movement being presented with a second vertical sequence of visual cards to move through the same fixed cursor. This cursor is, however, only fixed vertically and Proehl is therefor supplemented by Matthews. Matthews further teaches, an electronic program guide capable of selection of item in two dimensions where the two sequences (left/right sequence and up/down sequence) are perpendicular to each other (see figure 11, and column 17, lines 23-44), similar to that of Proehl, but further teaches, in column 10, lines 26-36, column 13, lines 1-20, column 15, lines 27-36, column 17, lines 23-44, and in figure 11, that whether moving

items in the EPG up, down, right, or left, they are all moved through one stationary focus in the center of the display.

25. Applicants argues that "None of the cited references disclose or suggest horizontally scrolling a sequence of cards representing applications through a focus area, and in response to a user scrolling a card representing a television application into the focus area, vertically scrolling a sequence of visual cards through the focus area representing televisions programs."

26. In response, the examiner respectfully submits that if a user scrolls the horizontal scroll bar of applications (application to switch mode (cd, television, mail) or assorted television applications) of Proehl, to the television program selection (selecting which group of options to select (channel, network, program, timeslot, etc.)), the user can then initiate scrolling of a list of television programs.

27. Applicants argues that the reference fail to teach "vertical scrolling of the second sequence does not affect visual cards of the first sequence outside of the focus area"

28. In response, the examiner respectfully submits that vertical scrolling of the programs does not change what is displayed in the application listing, this "eye" is left in the horizontal scroll bar regardless of what goes on as far as selections, the other elements in the horizontal scroll bar all pertain to the particular program (see figures 9-11).

29. Applicants argue that Proehl doesn't not disclose or suggest two sequences of elements aligned with perpendicular axes that relate to different types of options.

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30. In response, the examiner respectfully submits that Proehl teaches, in column 9, lines 33-38 and figures 8-11, a vertical access, in one embodiment, that represents different applications and a horizontal field that, in one embodiment, shows information about a respective television station. These two perpendicular sequences show a set and a subset of elements. Proehl further teaches, in column 9, lines 33-41 and in figures 8 and 10, vertical bar 104, which comprises options such as email, web, cd, etc.

Conclusion

31. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dennis G. Bonshock whose telephone number is (571) 272-4047. The examiner can normally be reached on Monday - Friday, 6:30 a.m. - 4:00 p.m.

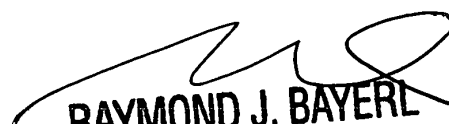
32. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cabeca can be reached on (571) 272-4048. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

33. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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RAYMOND J. BAYERL
PRIMARY EXAMINER
ART UNIT 2173

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DG	A1	5,663,757	09/02/97	Mornjes	348	13	03/25/91
DG	A2	6,020,930	02/01/00	Legrand	348	569	08/28/97
DG	A3	5,524,195	06/04/96	Cianton, III et al.	395	155	03/04/94
DG	A4	6,266,059 B1	07/24/01	Matthews, III et al.	345	352	08/27/97
DG	A5	6,313,851 B1	11/06/01	Matthews, III et al.	345	718	08/27/97

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DG	B1	2003/0098524 A1	05/15/03	Segeber et al.	345	786	11/02/01
DG	B2	2002/0033848 A1	03/21/02	Sciamarella et al.	345	838	04/19/01
DG	B3	2003/0093792 A1	05/15/03	Labeč et al.	725	46	06/27/01
DG	B4	2002/0152474 A1	10/17/02	Dudkiewicz	725	136	02/26/01

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

EXAMINER		DATE CONSIDERED
		2-20-06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. 50588/299		APPLICATION NO. 10/138,810					
				James A. Billmaier, et al.				FILING May 3, 2002		GROUP ART 2173	
				U.S. PATENT DOCUMENTS							
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XCB	A11	6,938,208 B2	Reichardt	715	719	01/04/01					
U.S. PATENT APPLICATION PUBLICATIONS											
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)											
EXAMINER				DATE CONSIDERED 3-9-06							

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PAGE 1 OF 3

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Index of Claims



Application/Control No.

10/138,810

Examiner

Dennis G. Bonshock

Applicant(s)/Patent under Reexamination

BILLMAIER ET AL.

Art Unit

2173

√	Rejected
=	Allowed

-	(Through numeral) Cancelled
+	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

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S10 7	22	(US-20020033848-\$).did. or (US-5673401-\$ or US-5812124-\$ or US-5850218-\$ or US-6005601-\$ or US-6028600-\$ or US-6037933-\$ or US-6151059-\$ or US-6175362-\$ or US-6262722-\$ or US-6281898-\$ or US-6281940-\$ or US-6418556-\$ or US-6425129-\$ or US-6563515-\$ or US-6577350-\$ or US-6642939-\$ or US-6678891-\$ or US-6690391-\$ or US-6910191-\$ or US-6538672-\$ or US-5677708-\$).did.	US-PGPUB; USPAT	OR	OFF	2005/08/02 10:13
S10 8	0	("L20andepisod\$").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/02 10:13
S10 9	4	S107 and episod\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/02 10:13

EAST Search History

S11 0	22	(US-20020033848-\$).did. or (US-5673401-\$ or US-5812124-\$ or US-5850218-\$ or US-6005601-\$ or US-6028600-\$ or US-6037933-\$ or US-6151059-\$ or US-6175362-\$ or US-6262722-\$ or US-6281898-\$ or US-6281940-\$ or US-6418556-\$ or US-6425129-\$ or US-6563515-\$ or US-6577350-\$ or US-6642939-\$ or US-6678891-\$ or US-6690391-\$ or US-6910191-\$ or US-6538672-\$ or US-5677708-\$).did.	US-PGPUB; USPAT	OR	OFF	2005/08/02 15:18
S11 1	3	S110 and perpendicular	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/02 14:44
S11 2	0	("20030001898").PN.	USPAT	OR	OFF	2005/08/02 15:18
S11 3	2	("20030001898").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/02 15:18
S11 4	29	"5677708"	USPAT	OR	OFF	2005/08/02 15:59
S11 5	3	"6281940"	USPAT	OR	OFF	2005/08/02 16:00
S11 6	1	"6690391"	USPAT	OR	OFF	2005/08/02 16:00
S11 7	3	"6538672"	USPAT	OR	OFF	2005/08/02 16:01
S11 8	4	"6642939"	USPAT	OR	OFF	2005/08/02 16:02
S11 9	2	"20030093792"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/02 16:19
S12 0	4	((("6690391") or ("5850218"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/02 16:19
S12 1	1	@pd>"20050601" and 715/721. ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/03 07:56
S12 2	4	@pd>"20050601" and 715/719. ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/03 07:57

EAST Search History

S12 3	6	@pd>"20050601" and 725/39. ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/03 07:57
S12 4	2	@pd>"20050601" and 725/41. ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/03 07:58
S12 5	2	@pd>"20050601" and 725/52. ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/03 07:58
S12 6	1	"5059965".PN.	USPAT; USOCR	OR	OFF	2005/08/03 07:59
S12 7	1	"6678891".PN.	USPAT; USOCR	OR	OFF	2005/08/03 07:59
S12 8	173	725/37.ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/04 07:16
S12 9	114	725/38.ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/04 07:16
S13 0	229	725/39.ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/04 07:16
S13 1	2	(("6163345") or ("6188406")).PN.	USPAT	OR	OFF	2005/08/04 11:48
S13 2	18	(("4241521") or ("4313113") or ("5059965") or ("5283560") or ("5485175") or ("5677708") or ("5751369") or ("5815155") or ("6236396") or ("6323883") or ("6538672") or ("6702284") or ("6910191") or ("20030001898") or ("20030001907") or ("20030169302") or ("20040008229") or ("20040233238")).PN.	US-PGPUB; USPAT	OR	OFF	2006/02/14 11:20
S13 3	12	(("5663757") or ("6020930") or ("5524195") or ("6266059") or ("6313851") or ("20030090524") or ("20020033848") or ("20030093792") or ("20020152374") or ("6538672") or ("6613100") or ("20030052900")).PN.	US-PGPUB; USPAT	OR	OFF	2006/02/14 11:21
S13 4	2	(("6461298") or ("5954650")).PN.	USPAT	OR	OFF	2006/02/14 14:14

EAST Search History

S13 5	12	("5663575") or ("6020930") or ("0524195") or ("6266059") or ("6313851") or ("20030090524") or ("20020033848") or ("20030093792") or ("20020152474") or ("6538672") or ("6613100") or ("20030052900").PN.	US-PGPUB; USPAT	OR	OFF	2006/02/20 14:13
S13 6	5	("5663575") or ("0524195") or ("20030090524") or ("20030093792") or ("20030052900").PN.	US-PGPUB; USPAT	OR	OFF	2006/02/20 14:12
S13 7	2	("5663757") or ("5524195").PN.	US-PGPUB; USPAT	OR	OFF	2006/02/20 14:12
S13 8	12	("5663757") or ("5524195") or ("6020930") or ("6266059") or ("6313851") or ("20030090524") or ("20020033848") or ("20030093792") or ("20020152474") or ("6538672") or ("6613100") or ("20030052900").PN.	US-PGPUB; USPAT	OR	OFF	2006/02/20 14:25
S13 9	7	Segeberg.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/20 15:27
S14 0	20	@pd>"20050804" and 715/721. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/20 15:29
S14 1	37	@pd>"20050804" and 715/719. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/20 15:31
S14 2	9	@pd>"20050804" and 715/720. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/20 15:33
S14 3	8	@pd>"20050804" and 725/56. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/20 15:33
S14 4	20	@pd>"20050804" and 725/41. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/20 15:35

EAST Search History

S14 5	36	@pd>"20050804" and 725/52. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/20 15:41
S14 6	91	@pd>"20050804" and 725/39. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/20 15:45
S14 7	46	@pd>"20050804" and 725/38. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/20 15:50
S14 8	59	@pd>"20050804" and 725/37. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/20 15:51
S14 9	3	(("20030169302") or ("20020060746") or ("6938208")). PN.	US-PGPUB; USPAT	OR	OFF	2006/03/09 08:45

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TO:	Dennis G. Bonshock Art Unit 2173	(571) 273-8300	USPTO	

	Name:	Sender's Direct Dial:	Sender's Direct Email:
FROM:	Kory Christensen	(801) 578-6993	kdchristensen@stoel.com

Client:	50588	Matter:	299
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DATE: January 26, 2006

No. of Pages (including this cover): 8

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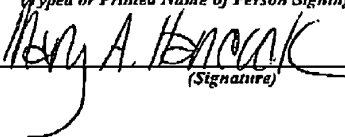
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COMMENTS:

Attached is an **IDS** and accompanying documents for Serial No. 10/138,810, filed May 3, 2002, entitled **SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE.**

JAN 26 2006

CERTIFICATE OF TRANSMISSION BY FACSIMILE (37 CFR 1.8)			Docket No. 50588/299
Applicant(s): James A. Billmaier, et al.			
Application No. 10/138,810	Filing Date May 3, 2002	Examiner Dennis G. Bonshock	Group Art Unit 2173
Invention: SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE			
I hereby certify that this <u>IDS (3 pgs.) and PTO-1449 (3 pgs.)</u> <i>(Identify type of correspondence)</i>			
is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. <u>571.273.8300</u>)			
on <u>January 26, 2006</u> <i>(Date)</i>			
<u>Mary A. Hancock</u> <i>(Typed or Printed Name of Person Signing Certificate)</i>			
 <i>(Signature)</i>			
Note: Each paper must have its own certificate of mailing.			

P1:8/REV02

JAN 26 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

James A. Billmaier, et al.

Confirmation No. 4013

Application No. 10/138,810

Filed: May 3, 2002

For: **SYSTEM AND METHOD FOR
FOCUSED NAVIGATION WITHIN A
USER INTERFACE**

Group Art Unit: 2173

Examiner: Dennis G. Bonshock

Date: January 24, 2006

INFORMATION DISCLOSURE STATEMENT

TO THE COMMISSIONER FOR PATENTS:

1. Pursuant to the duty of disclosure, documents listed on the accompanying Form PTO-1449 (or equivalent) are presented for the Examiner's consideration.
 - Copies of listed U.S. patents and U.S. patent application publications are not required for submission. (37 C.F.R. § 1.98(a)(2)(ii))
 - Copies of listed foreign patent documents and/or non-patent literature are enclosed. (37 C.F.R. § 1.98(a)(2))
 - Copies of the documents listed at (sheet/cite no.) _____ of the attached Form PTO-1449 (or equivalent) are omitted because (1) they are already of record in U.S. Patent Application No. _____, filed _____, on which this application relies for an earlier filing date under 35 U.S.C. § 120; and (2) any information disclosure statement filed in the prosecution of Application No. _____, complies with 37 CFR §§ 1.98(a) through (c). (37 C.F.R. § 1.98(d))
 - A copy of copending U.S. Patent Application No. _____, filed _____, for _____, listed at (sheet/cite no.) _____ of the attached Form PTO-1449 (or equivalent), is enclosed / is omitted. (Copy not required if available via IFW. 1287 OG 163 (Oct. 19, 2004).).

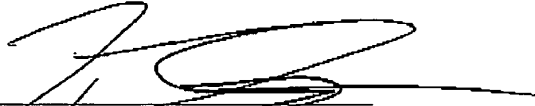
SaltLake-268944.1 0050588-00299

2. This information disclosure statement is being submitted (check box a., b., or c.):
- a. Within three months of the filing date of a national application or entry of the national stage in an international application; or before the mailing of a first Office action on the merits; or before the mailing of a first Office action after the filing of a request for continued examination under 37 CFR 1.114. (No statement under 37 CFR 1.97(e) is required.); or
- b. After the period set forth in paragraph 2a, but before the mailing date of either a final action, a notice of allowance, or an action that otherwise closes prosecution in the application. (Check box i. or ii.)
- i. A \$180.00 information disclosure statement submission fee set forth in 37 CFR 1.17(p) is enclosed, or
- ii. A statement specified by 37 CFR 1.97(e) is set forth below; or
- c. After the mailing date of a final action or notice of allowance and on or before payment of the issue fee. A statement specified by 37 CFR 1.97(e) is set forth below. Enclosed is a \$180.00 information disclosure statement processing fee set forth in 37 CFR 1.17(p).
3. If a statement specified by 37 CFR 1.97(e) is required, the attorney or agent signing below hereby states that:
- each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; or
- no item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.

- 4. A concise explanation of the relevance of each document not in the English language and/or selected documents in the English language is set forth below.

Respectfully submitted,

Digeo, Inc.

By 
 Kory D. Christensen
 Registration No. 43,548

STOEL RIVES LLP
 One Utah Center, Suite 1100
 201 S. Main Street
 Salt Lake City, UT 84111-4904
 Telephone: (801) 328-3131
 Facsimile: (801) 578-6999

Attorney Docket No. 50588/299

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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>	ATTY DOCKET NO.	APPLICATION NO.
	50588/299	10/138.810
	APPLICANT(S) James A. Billmaier, et al.	
	FILING DATE May 3, 2002	GROUP ART UNIT 2173

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
A1	5.663,757	09/02/97	Mornics	348	13	03/25/91
A2	6.020,930	02/01/00	Legrand	348	569	08/28/97
A3	5.524,195	06/04/96	Clanton, III et al.	395	155	03/04/94
A4	6,266,059 B1	07/24/01	Matthews, III et al.	345	352	08/27/97
A5	6,313,851 B1	11/06/01	Matthews, III et al.	345	718	08/27/97

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
B1	2003/0090524 A1	05/15/03	Seegerberg et al.	345	786	11/02/01
B2	2002/0033848 A1	03/21/02	Sciammarella et al.	345	838	04/19/01
B3	2003/0093792 A1	05/15/03	Labeeb et al.	725	46	06/27/01
B4	2002/0152474 A1	10/17/02	Dudkiewicz	725	136	02/26/01

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

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EXAMINER	DATE CONSIDERED
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>	ATTY DOCKET NO. 50588/299	APPLICATION NO. 10/138,810
	James A. Billmaier, et al.	
	FILING May 3, 2002	GROUP ART 2173

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
A6	6,538,672 B1	03/25/03	Dobbelaar	345	810	02/07/00
A7	6,613,100 B2	09/02/03	Miller	715	526	11/26/97
A8	6,941,325 B1	09/06/05	Benitez et al.	707	200	01/08/02
A9	6,408,437 B1	06/18/02	Hendricks et al.	725	132	08/05/97
A10	6,965,415 B2	11/15/05	Lundblad et al.	348	556	01/04/02

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
B5	2003/0052900 A1	03/20/03	Card et al.	345	660	12/21/00
B6	2003/0169302 A1	09/11/03	Davidsson et al.	345	810	06/26/01
B7	2002/0060746 A1	05/23/02	Yugami et al.	348	458	11/19/01

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER	DATE CONSIDERED
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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. 50588/299		APPLICATION NO. 10/138,810	
				James A. Billmaier, et al.			
				FILING May 3, 2002		GROUP ART 2173	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
A11	6,938,208 B2	08/30/05	Reichardt	715	719	01/04/01	
U.S. PATENT APPLICATION PUBLICATIONS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
EXAMINER				DATE CONSIDERED			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/138,810	05/03/2002	James A. Billmaier	50588/299	4013

32641 7590 01/03/2006
DIGEO, INC C/O STOEL RIVES LLP
201 SOUTH MAIN STREET, SUITE 1100
ONE UTAH CENTER
SALT LAKE CITY, UT 84111

EXAMINER

BONSHOCK, DENNIS G

ART UNIT PAPER NUMBER

2173

DATE MAILED: 01/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Interview Summary	Application No.	Applicant(s)	
	10/138,810	BILLMAIER ET AL.	
	Examiner	Art Unit	
	Dennis G. Bonshock	2173	

All participants (applicant, applicant's representative, PTO personnel):

- (1) Dennis G. Bonshock. (3) _____
(2) Kory D. Christensen. (4) _____

Date of Interview: 27 December 2005.

Type: a) Telephonic b) Video Conference
c) Personal [copy given to: 1) applicant 2) applicant's representative]

Exhibit shown or demonstration conducted: d) Yes e) No.
If Yes, brief description: _____.

Claim(s) discussed: 1, 2, and 43.

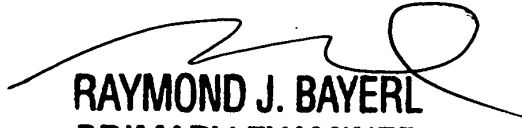
Identification of prior art discussed: Proehl, Matthews, and Schein.

Agreement with respect to the claims f) was reached. g) was not reached. h) N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: See Continuation Sheet.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.


RAYMOND J. BAYERL
PRIMARY EXAMINER
ART UNIT 2173

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

Examiner's signature, if required

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: the applicant's representative argued that the Proehl reference taught vertical scrolling but lacked horizontal scrolling, to which discussion was moved to the Matthews reference, which was relied upon for this teaching, here the applicant's representative argued that there is no distinction between the horizontal elements and the vertical elements and that the Matthews reference is not limited to only displaying items along the axes of the focus. The examiner stated that he believed the issue to be more of the combination of the references than the actual existence of the claimed elements in the different elements. An agreement was reached to add the limitation of uniqueness of axes, where elements located in a vertical group are not present in a horizontal group, and vice versa, to further differentiate from the prior art of record. .



Docket No. 50588/299 (formerly 260042.501)
Digeo Ref. 419.15

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

James A. Billmaier et al.

Confirmation No. 4013

Application No. 10/138,810

Filed: May 3, 2002

For: **SYSTEM AND METHOD FOR
FOCUSED NAVIGATION WITHIN A
USER INTERFACE**

Group Art Unit: 2173

Examiner: Dennis G. Bonshock

Date: December 27, 2005

AMENDMENT

TO THE COMMISSIONER FOR PATENTS:

In response to the Office Action mailed August 26, 2005, please amend the above-identified patent application as follows.

Amendments to the Claims are reflected in the listing of claims that begins on page 2 of this paper.

Remarks begin on page 18 of this paper.

Listing of Claims:

1. (currently amended) A method for navigation of a plurality of options within a user interface, the method comprising:

scrolling only visual cards from a first sequence of visual cards representing a first type of option through a spatially-fixed focus area ~~along a first axis~~ of the user interface, wherein the visual cards of the first sequence are both aligned with and scrolled along a first axis;

enabling ~~selection by a user~~ scrolling of a particular visual card of the first sequence of visual cards into within the focus area; and

scrolling only visual cards from a second sequence of visual cards representing a second type of option through the focus area ~~along a second axis of the user interface~~, wherein the visual cards of the second sequence are both aligned with and scrolled along a second axis, wherein the first axis is perpendicular to the second axis such that the respective visual cards from the first and second sequences are scrolled into the focus area from perpendicular directions, and wherein no visual card of the first sequence is also included in the second sequence.

2. (currently amended) The method of claim 1, further comprising replacing the second ~~storing the first~~ sequence of visual cards along the second axis with a third sequence of visual cards along the second axis, the third sequence of visual cards representing a third type of option, in response to a different visual card from the first sequence being scrolled into the focus area.

3. (previously presented) The method of claim 1, further comprising pausing the scrolling of the first sequence of visual cards in response to a user command.

4. (previously presented) The method of claim 1, wherein the visual cards of the second sequence graphically represent broadcast television channels.

5. (previously presented) The method of claim 1, wherein the visual cards of the second sequence graphically represent broadcast television networks.

6. (previously presented) The method of claim 1, wherein the visual cards of the second sequence graphically represent television programs.

7. (previously presented) The method of claim 1, wherein the visual cards of the first sequence graphically represent different types of media.

8. (previously presented) The method of claim 1, wherein the scrolling of visual cards is in response to a single user action.

9. (currently amended) The method of claim 8, further comprising enabling selection of the visual card within the focus area ~~wherein selection of a particular visual card is~~ in response to an additional user action.

10 (original) The method of claim 9 4, wherein selection of a particular visual card is in response to a single user action.

11. (previously presented) The method of claim 1, wherein the visual cards from the second sequence respectively represent television programming sources in a particular broadcast time slot, the method further comprising replacing the second sequence of visual cards with a third sequence of visual cards in response to a single user command, each visual card of the third sequence of visual cards representing the television programming sources in a later broadcast time slot.

Claims 12-15 (canceled).

16. (previously presented) The method of claim 1, wherein the visual cards of the first sequence represent broadcast television channels, and wherein the visual cards of the second sequence broadcast represent time slots.

17. (previously presented) The method of claim 1, wherein the visual cards of the first sequence represent broadcast television networks, and wherein the visual cards of the second sequence broadcast represent time slots.

18. (previously presented) The method of claim 1, wherein the visual cards of the first sequence represent television programs, and wherein the visual cards of the second sequence represent broadcast time slots.

Claims 19-21 (canceled).

22. (currently amended) A system for focused navigation of a plurality of options within a user interface, the system comprising:

a user input detector configured to detect actions of a user; and

a processor configured to scroll only visual cards from a first sequence of visual cards through a spatially-fixed focus area ~~along a first axis~~ of the user interface in response to a first user command, wherein the visual cards of the first sequence correspond to a first type of option and are both aligned with and scrolled along a first axis, wherein the processor is further configured to enable scrolling selection by a user of a particular visual card of the first sequence of visual cards into the focus area, wherein the processor is further configured to only scroll visual cards from a second sequence of visual cards through the focus area ~~along a second axis~~ of the user interface in response to a second user command, wherein the visual cards of the second sequence of visual cards correspond to a second type of option and are both aligned with and scrolled along a second axis, wherein the first axis is perpendicular to the second axis such that the respective visual cards from the first and second sequences are scrolled in perpendicular directions, and wherein the first and second sequences do not have any visual cards in common.

23. (currently amended) The system of claim 22, wherein the processor is further configured to replace comprising a storage device configured to store the second sequence of visual cards along the second axis with a third sequence of visual cards along the second axis, the third sequence of visual cards

corresponding to a third type of option, in response to a different visual card from the first sequence being scrolled by the user into the focus area.

24. (previously presented) The system of claim 22, wherein the processor is further configured to pause the scrolling of the first sequence of visual cards.

25. (previously presented) The system of claim 22, wherein the visual cards of the second sequence graphically represent broadcast television channels.

26. (previously presented) The system of claim 22, wherein the visual cards of the second sequence graphically represent broadcast television networks.

27. (previously presented) The system of claim 22, wherein the visual cards of the second sequence graphically represent television programs.

28. (previously presented) The system of claim 22, wherein the visual cards of the first sequence graphically represent different types of media.

29. (previously presented) The system of claim 22, wherein the processor scrolls the visual cards in response to a single user action.

30. (currently amended) The system of claim 29, wherein the processor is to enable selection of a particular the visual card in the focus area is in response to an additional user action.

31. (currently amended) The system of claim 30 22, wherein selection of a particular visual card is in response to a single user action.

32. (previously presented) The system of claim 22, wherein the visual cards from the second sequence respectively represent television programming sources in a particular broadcast time slot, and wherein the processor is further configured to replace the second sequence of visual cards with a third sequence of visual cards in response to a single user command, each visual card of the third sequence of visual cards representing the television programming sources in a later broadcast time slot.

Claims 33-36 (canceled).

37. (previously presented) The method of claim 22, wherein the visual cards of the first sequence represent broadcast television channels, and wherein the visual cards of the second sequence represent time slots.

38. (previously presented) The method of claim 22, wherein the visual cards of the first sequence represent broadcast television networks, and wherein the visual cards of the second sequence represent time slots.

39. (previously presented) The method of claim 22, wherein the visual cards of the first sequence represent television programs, and wherein the visual cards of the second sequence represent time slots.

Claims 40-42 (canceled).

43. (currently amended) A method for navigation of a plurality of options within a user interface of an interactive television system, the method comprising:

horizontally scrolling a first sequence of visual cards through a spatially-fixed focus area of the user interface, ~~each~~ the visual cards of the first sequence of visual cards representing applications within the interactive television system a category of options, wherein the visual cards of the first sequence are both aligned with and scrolled along a horizontal axis intersecting the focus area; and

in response to enabling selection by a user horizontally scrolling of a particular visual card of the first sequence of visual cards corresponding to a television application into ~~within~~ the focus area, ~~corresponding to a selected category~~;

enabling vertically scrolling of a second sequence of visual cards through the focus area of ~~the user interface~~, ~~each~~ the visual cards of the second sequence of visual cards representing a ~~selectable option from the selected category television programs~~, wherein the visual cards of the second sequence are both aligned with and scrolled along vertical axis intersecting the focus area, and wherein vertical scrolling of the second sequence does not affect visual cards of the first sequence outside of the focus area, ~~wherein transitioning from enabling selection by a user of a particular visual card to scrolling the second set of options requires no more than a single user command.~~

44. (currently amended) The method of claim 43, further comprising replacing the second sequence of visual cards along the vertical axis with a third sequence of visual cards along the vertical axis, the third sequence of visual cards corresponding to options associated with a different application within the interactive television system in response to a different visual card from the first sequence being scrolled into the focus area.

Claims 45-47 (canceled).

48. (currently amended) An article of manufacture comprising:

a carrier signal adapted to carry data, the data functionally related to the carrier signal such that only visual cards from a first sequence of visual cards are is scrolled through a spatially-fixed focus area along a first axis to which the first sequence of visual cards is aligned, each visual card in the first sequence representing a first type of option, the data further functionally related to the carrier signal such that only visual cards from a second sequence of visual cards are scrolled ~~selection by the user of a particular visual card of the first sequence of visual cards results in scrolling of a second sequence of visual cards~~ through the focus area along a second axis to which the second sequence of visual cards is aligned, each visual card in the second sequence representing a second type of option ~~of the user interface~~, wherein the first axis is perpendicular to the second axis such that the respective visual cards from the first and second sequences are scrolled into the focus area from perpendicular directions.

49. (previously presented) The article of manufacture of claim 48, wherein the visual cards of the first sequence graphically represent at least one of broadcast television channels, broadcast television networks, and television programs.

50. (currently amended) A system for focused navigation of a plurality of options within a user interface, the system comprising:

means for scrolling only visual cards from a first sequence of visual cards through a horizontally and vertically fixed ~~spatially-fixed~~ focus area along a first axis of the user interface to which the first sequence of visual cards is aligned, each visual card of the first sequence corresponding to a first type of option;

~~means for enabling selection by a user of a particular visual card of the first sequence of visual cards within the focus area; and~~

means for scrolling only visual cards from a second sequence of visual cards through the focus area along a second axis of the user interface to which the second sequence of visual cards is aligned, each visual card of the second sequence corresponding to a second type of option, wherein the first axis is perpendicular to the second axis such that the respective visual cards from the first and second sequences are scrolled in perpendicular directions.

51. (previously presented) The system of claim 50, wherein the visual cards of the first sequence graphically represent at least one of broadcast television channels, broadcast television networks, and television programs.

52. (previously presented) The method of claim 1, wherein the first axis is a horizontal axis and the second axis is a vertical axis.

53. (previously presented) The method of claim 1, wherein the first axis is a vertical axis and the second axis is a horizontal axis.

54. (currently amended) The method of claim 1, further comprising determining the second sequence set of visual cards based on the a user-selected visual card from the first sequence.

55. (previously presented) The method of claim 3, wherein transitioning from pausing the scrolling of the first sequence to scrolling the second sequence is in response to a single user action.

56. (previously presented) The method of claim 1, wherein the first and second sequences intersect to form quadrants within the user interface, the method further comprising displaying supplemental information related to the visual card within the focus area in at least one of the quadrants formed by the intersecting sequences.

57. (previously presented) The method of claim 1, wherein each visual card includes a picture for graphically representing a television program or television programming source.

58. (previously presented) The method of claim 57, wherein at least one picture comprises a captured video frame.

59. (previously presented) The method of claim 57, wherein at least one picture comprises an animation.

60. (previously presented) The method of claim 1, wherein the visual cards from the second set represent broadcast time slots, the method further comprising replacing the second set of visual cards with a third set of visual cards in response to a single user command, each visual card of the third set of visual cards representing an earlier broadcast time slot.

61. (previously presented) The method of claim 1, wherein the visual cards of the first sequence represent selectable categories of options and wherein the visual cards of the second sequence represent options from a selected category.

62. (previously presented) The method of claim 1, further comprising accelerating the scrolling of the first sequence of visual cards based on how long a remote control button is held down by a user.

63. (previously presented) The system of claim 22, wherein the first axis is a horizontal axis and the second axis is a vertical axis.

64. (previously presented) The system of claim 22, wherein the first axis is a vertical axis and the second axis is a horizontal axis.

65. (currently amended) The system of claim 22, wherein the processor is further configured to determine the second set of visual cards based on the a user-selected visual card from the first sequence.

66. (previously presented) The system of claim 24, wherein transitioning from pausing the scrolling of the first sequence to scrolling the second sequence is accomplished in response to a single user action.

67. (previously presented) The system of claim 22, wherein the first and second sequences intersect to form quadrants within the user interface, and wherein the processor is further configured to display supplemental information related to the visual card within the focus area in at least one of the quadrants formed by the intersecting sequences.

68. (previously presented) The system of claim 22, wherein each visual card includes a picture for graphically representing a television program or television programming source.

69. (previously presented) The system of claim 68, wherein at least one picture comprises a captured video frame.

70. (previously presented) The system of claim 68, wherein at least one picture comprises an animation.

71. (previously presented) The system of claim 22, wherein the visual cards from the second set represent broadcast time slots, and wherein the processor is further configured to replace the second set of visual cards with a third set of visual cards in response to a single user command, each visual card of the third set of visual cards representing an earlier broadcast time slot.

72. (previously presented) The system of claim 22, wherein the processor is further configured to accelerate the scrolling of the first sequence of visual cards based on how long a remote control button is held down by a user.

Remarks

Claims 1-11, 16-18, 22-32, 37-39, and 43-72 are pending in the application. All claims stand rejected. By this paper, claims 1, 2, 9, 22, 23, 30, 31, 43, 44, 48, 50, 54, and 65 have been amended, and claims 45-47 have been canceled. Reconsideration of all pending claims herein is respectfully requested.

Interview

The applicant wishes to thank the Examiner for the courtesy of the telephone interview on December 27, 2005. In accordance with the Examiner's suggestions, the applicant has incorporated the limitation of "no visual card of the first sequence is also included in the second sequence" into claim 1, as well as a variation thereof into claim 22.

Claim Rejections

Claims 1-3, 7-10, 22-24, 28-31, 43, 44, 48-55, 61, and 63-66 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Proehl et al. ("Proehl") and Matthews III et al. ("Matthews"). Claims 4-6, 11, 16-18, 25-27, 32, 37-39, 45-47, 60, 62, 71, and 72 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Proehl, Matthews, and Schein et al. ("Schein"). Claims 56 and 67 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Proehl, Matthews, and Berhandson. Claims 57-59 and 68-70 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Proehl, Matthews, and Sciammarella. These rejections are respectfully traversed as detailed below.

Claims 1, 22, 43, 48, and 50

Claim 1 has been amended to clarify that two sequences of visual cards, each representing *different types of options*, are *aligned with and scrolled along perpendicular axes*. In addition, claim 1 has been amended to clarify that *only* the visual cards of the respective sequences are scrolled, as opposed to scrolling the sequences along with other visual cards that might serve to distract the user and/or decrease navigation speed. Finally, claim 1 has been amended to recite that *no visual card in the first sequence is also included in the second sequence*, as per the Examiner's suggestion.

As amended, claim 1 recites a method for navigation of a plurality of options within a user interface, comprising:

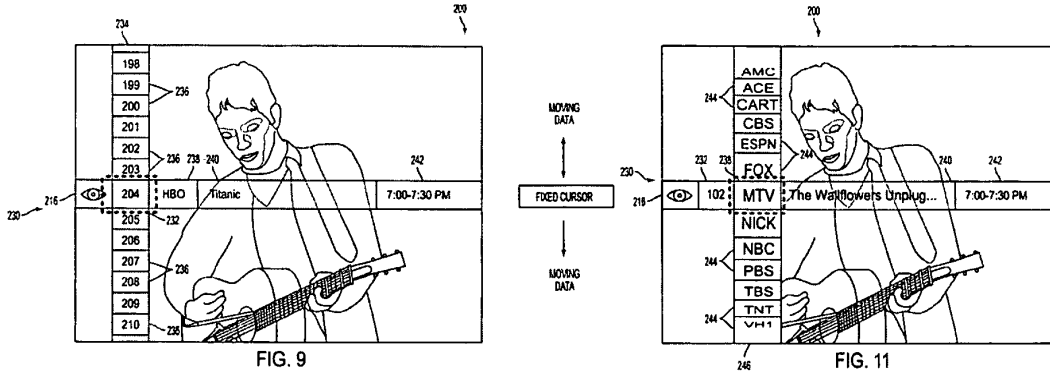
scrolling only visual cards from a first sequence of visual cards representing a first type of option through a spatially-fixed focus area of the user interface, wherein the visual cards of the first sequence are both aligned with and scrolled along a first axis;

enabling scrolling of a particular visual card of the first sequence of visual cards into the focus area; and

scrolling only visual cards from a second sequence of visual cards representing a second type of option through the focus area, wherein the visual cards of the second sequence are both aligned with and scrolled along a second axis, wherein the first axis is perpendicular to the second axis such that the respective visual cards from the first and second sequences are scrolled into the focus area from perpendicular directions, and wherein no visual card of the first sequence is also included in the second sequence.

The Examiner concedes that Proehl does not teach shifting a second sequence of visual cards through the same spatially-fixed focus area. Office Action at page 4. Indeed, as shown below in Figures 9 and 11, Proehl's so-called "fixed

cursor" (marked with a dashed box) actually moves horizontally depending on which vertical field is expanded, *i.e.*, Channel Number Field 232 (Figure 9) or Channel Name Field 238 (Figure 11).



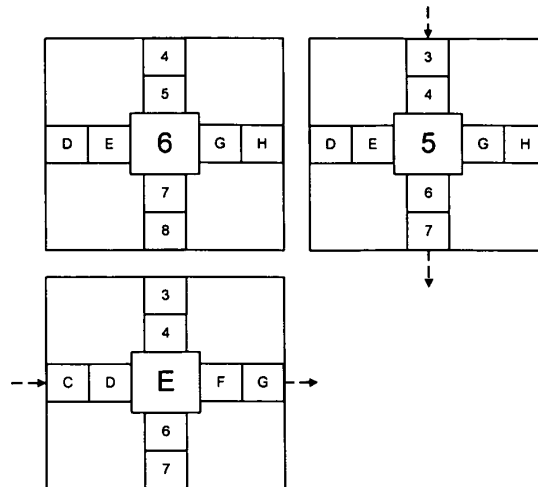
The applicant respectfully submits that, by teaching the opposite of a spatially-fixed cursor, *i.e.*, a horizontally-movable cursor, Proehl actually teaches away from the claimed invention. Indeed, amended claim 50 recites a "horizontally ... fixed" focus area, which is the exact opposite of Proehl's horizontally-movable cursor. Horizontal movement of the focus area is essential to Proehl. See col. 9, line 42 through col. 10, line 14. Without it, a user could not expand different vertically-navigable fields.

Not only does Proehl fail to teach the claimed spatially-fixed focus area, but Proehl also does not teach or suggest that visual cards of a second sequence are "both aligned with and scrolled along a second axis." Assuming that Proehl's horizontal "status bar" 230 is the Examiner's "second sequence," no visual cards are actually scrolled "along" the horizontal axis in Proehl. All of the vertically-navigable fields have fixed positions. Elements might be perpendicularly scrolled "through" the status bar 230, but there is no suggestion of elements being scrolled "along" or

parallel to (“aligned with”) the status bar, as required by claim 1. Thus, Proehl also cannot satisfy the claimed limitation of the “respective visual cards from the first and second sequences are scrolled into the focus area from perpendicular directions.” Proehl only scrolls items into the fixed cursor from one direction, *i.e.*, vertically.

Moreover, Proehl actually teaches away from horizontally scrolling items along his status bar 230. For example, Proehl cites the advantages of having “a status bar displayed in the GUI [that is] displayed in hierarchical fashion from left to right, with the left-most field representing the broadcast category of navigation and the selection available to the user and the rightmost field representing the narrowest category.” Thus, “[f]ields to the right of a particular field, then, may generally be considered to be sub-categories or subsets of that particular field.” Col. 7, lines 34-40 (emphasis added). To modify Proehl to provide movement of cards “along” the horizontal status bar 230, would eliminate the “hierarchical” relationship of the elements on the horizontal axis, contrary to the intent of Proehl.

Proehl’s vertical-only navigation of elements is in stark contrast to the claimed two-axis navigation of sequences of elements, each representing different types of options, as shown in the illustration below. Applicant’s Figure 9, reproduced later in these remarks, illustrates these concepts in greater detail.



As depicted, the numerical sequence (representing a first type of option) is vertically shifted into the focus area, while the alphabetical sequence (representing a second type of option) is shifted into the focus area from the horizontal direction. In both cases, the sequences are “aligned with and scrolled along” perpendicular axes, as recited in amended claim 1.

The addition of Matthews, however, does not cure the deficiencies of Proehl. While it is true that Matthews discloses a grid-type EPG that can be scrolled “up, down, right, or left” (Office Action at page 4), Matthews fails to satisfy the limitations of claim 1 in at least three key respects.

1. Matthews does not disclose scrolling two different sequences into a fixed focus area, each sequence representing different types of options, as claimed. The Examiner suggests that Matthews’ elements in Figure 11 represent “items in the EPG.” Office Action at page 4. Assuming that this is correct, those items would all presumably represent the same type of option, *i.e.*, television programs, and would not, therefore, satisfy the claimed limitation of first and second types of options. Nothing in Matthews suggests vertically-oriented cards represent one option type,

while horizontally-oriented cards represent another option type. This would be a dramatic departure from conventional grid-type EPGs, as in Schein, in which grid elements all relate to television programs. Matthews further refers to a “two-dimensional grid 190” of “list items.” Col. 17, lines 24-25. Again, the phrase “list items” or “items in a list” (see claim 1) implies options of a single type. This speaks against two different sequences representing different types of options.

Proehl likewise does not disclose or suggest two sequences of elements aligned with perpendicular axes that relate to different types of options. As noted above, Proehl’s status bar 230 is not a sequence of options that is horizontally scrolled. Moreover, it does not represent a particular “type” of option, such as television programs, as in the claimed invention. It represents a horizontal “slice” through parallel, “vertically navigable fields” (col. 9, line 42-66) comprising different types of options. Hence, the status bar 230 cannot, itself, represent a “type” of option. For example, as shown in Proehl’s Figure 9, the leftmost field allows a user to select between high-level ITV functions, such as a Help Option 210, Shopping Option 212, CD Player Option 214, Television Option 216, VCR Option 218, etc., while the other fields relate to something other than high-level ITV functions, e.g., Channel Number Field 232, Program Time Field 242, etc.

As explained in greater detail below with respect to claims 2, 43, and 54, the fact that the sequences represent two different types of options is important because selection of an element on one axis (e.g., horizontal) can change or replace the available options along the other axis (e.g., vertical). For example, as recited in claim 43, the visual cards along one axis may represent applications, e.g., email

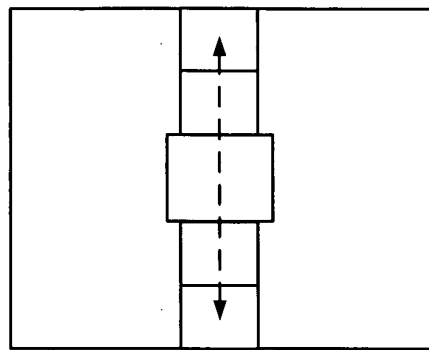
application, television application, etc., whereas the visual cards along the other axis may represent options within the application, such as various television programs. Nothing in Matthews suggests this type of relationship. It would be impossible with only one type of option as apparently taught by Matthews.

3. Matthews does not disclose or suggest “scrolling only visual cards of a first sequence of cards ... through a spatially-fixed focus area of the user interface.” Likewise, Matthews does not disclose or suggest “scrolling only visual cards of a second sequence of cards ... through a the focus area.” These claimed features allow the user to keep his or her attention focused on only the linear sequence, and the card in the focus area in particular, increasing navigation speed by reducing the required eye movements to assimilate the displayed information.

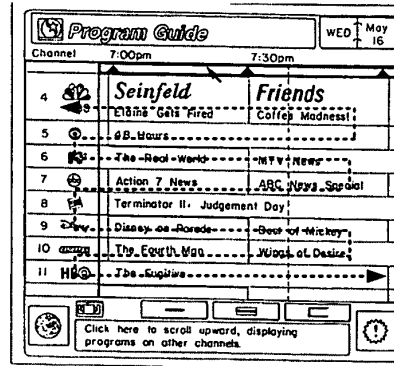
Matthews, by contrast, moves the entire grid (not a sequence) in response to a navigation command. If the Examiner is analogizing the row and column passing through Matthews’ focus frame to the claimed “sequences,” then navigation of his grid *a priori* requires movement of more than “only the visual cards of the first [or second] sequence,” as claimed. That means any vertical scrolling of Matthews’ grid changes whatever cards are displayed along the horizontal axis. As a result, Matthews cannot maintain a static, though horizontally-scrollable sequence of options during vertical scrolling as shown in Figure 9 and specifically claimed in claim 43.

Moreover, Matthews requires the user to visually scan a much wider area of the user interface than is required by the claimed invention, reducing navigation speed by increasing the time interval before the user can scroll the grid again. A

graphical representation of the required eye movements (shown in dashed lines) between the approaches is illustrated below.



Claimed Invention



Standard EPG
(Schein)

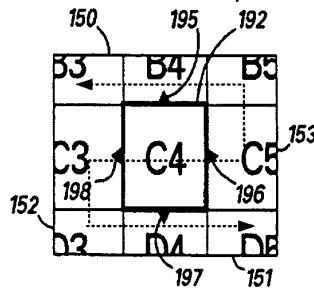


FIG. 11

Matthews

As is apparent from these illustrations, the required eye movements during scrolling to assimilate the respective information from each user interface is markedly different. The more the user's eye has to move to scan the user interface, a greater amount of time is required before the user can navigate again. The claimed invention, for example, can scroll the sequence at a relatively high speed, e.g., seven or more cards per second (see specification at page 8). It would be impossible for a user to scroll Matthews' grid at this speed and still be able to visually process all of the cards.

Thus, the limitation of scrolling “only” the first sequence or “only” the second sequence is not a trivial distinction. It relates to the basic idea of focused navigation, which is to keep the user’s eye focused on a limited area of the screen and avoid the distractions of conventional user interfaces. Both Matthews and Schein teach against the concept of focused navigation by scrolling more than “only” the claimed sequence of elements.

A rejection based on prior art – whether grounded in anticipation or obviousness – must account for each and every claim limitation. *Celeritas Techs. Inc. v. Rockwell Int’l Corp.*, 150 F.3d 1354, 1360, 47 U.S.P.Q.2d 1516, 1522 (Fed. Cir. 1998) (anticipation); *In re Wilson*, 424 F.2d 1382, 1385, 165 U.S.P.Q.2d 494, 496 (CCPA 1970) (obviousness); MPEP § 2143.03 (“To establish *prima facie* obviousness of a claimed invention, all the claim limitations must be taught or suggested by the prior art.”) (emphasis added).

In summary, both Proehl and Matthews have numerous deficiencies, whether considered alone or in combination. Proehl does not include (and arguably teaches away from) the claimed spatially-fixed focus area. Horizontal movement of the cursor is crucial to the functionality of Proehl’s interface. Even if Matthews shows a fixed focus area, he does not move two “sequences” through the focus area. Matthews moves a grid, which is not the same as two “sequences” of cards.

Nevertheless, even if Matthews taught sequences, he does not teach perpendicular sequences relating to different types of options. A grid consisting of elements of the same type, as apparently taught by Matthews, is not the same as sequences of elements corresponding to different types of options, as claimed.

Matthews also violates the “only” limitations of claim 1, teaching away from the concept of focused navigation by requiring a user to visually scan more of the user interface than is necessary, resulting in decreased navigation speed.

Likewise, Proehl fails to teach or suggest visual cards of the second sequence that are “both aligned with and scrolled along a second axis.” Proehl’s horizontal “sequence,” if it can be called that, is merely a horizontal slice of a number of vertically-navigable lists. There is no horizontal navigation of cards along Proehl’s status bar 230. Moreover, Proehl teaches away from horizontal navigation by citing the advantages of a hierarchical relationship (from left to right) of the fields.

Even if Matthews taught horizontal movement of an element into a focus area, it is an element of a grid, not a sequence. A “sequence” implies some relationship between the items specific to the sequence. In Matthews, all of the items in the grid are “items of an EPG,” as noted by the examiner, or, as Matthews puts it, “items in a list,” suggesting that the items are of the same type.

Thus, neither reference discloses or suggests the claimed scrolling of sequences of visual cards, each representing different types of options, along perpendicularly-aligned axes. To satisfy the claim limitations, the Examiner would need to “pick and choose” among elements of two dramatically different references (one restricted to vertical-only navigation of sequences and the other directed to moving a grid), apparently using the claimed invention as a guide. However, “it is impermissible to use the claimed invention as an instruction manual or ‘template’ to piece together the teachings of the prior art so that the claimed invention is rendered obvious. . . . [o]ne cannot use hindsight reconstruction to pick and choose among

isolated disclosures in the prior art to deprecate the claimed invention." In re Fritch, 23 U.S.P.Q.2d 1780, 1784 (Fed. Cir. 1992).

A person of ordinary skill in the art (POOSITA), when presented with the two references, would not know how to combine the references without hindsight reconstruction based on the applicant's own teachings. For example, why would the POOSITA pick out the "sequences" of Proehl and abandon the "vertical-only" navigation of list elements, while adopting the horizontal navigation of Matthews and abandoning his grid format, without hindsight reliance? Likewise, why would the POOSITA abandon Proehl's moving focus area and hierarchically-related fields in favor of Matthews' allegedly fixed focus area, without having the claimed invention as a manual or template?

In determining obviousness, "the inquiry is not whether each element existed in the prior art, but whether the prior art made obvious the invention as a whole for which patentability is claimed." Hartness Int'l, Inc. v. Simplimatic Eng'g Co., 819 F.2d 1100, 2 U.S.P.Q.2d 1826 (Fed. Cir. 1987). In the present case, the invention, as a whole, would not be obvious to the POOSITA without impermissibly using the claimed invention as a roadmap to adopt certain aspects of each reference and abandon others.

In view of the foregoing, claim 1 is patentably distinct. Claims 22, 43, 48, and 50 have been variously amended to include similar limitations and are likewise believed to be patentably distinct for at least the same reasons. All other claims depend from one of the foregoing claims and are also patentably distinct by virtue of that dependency.

Claims 2, 23, and 44

As amended, claim 2 recites:

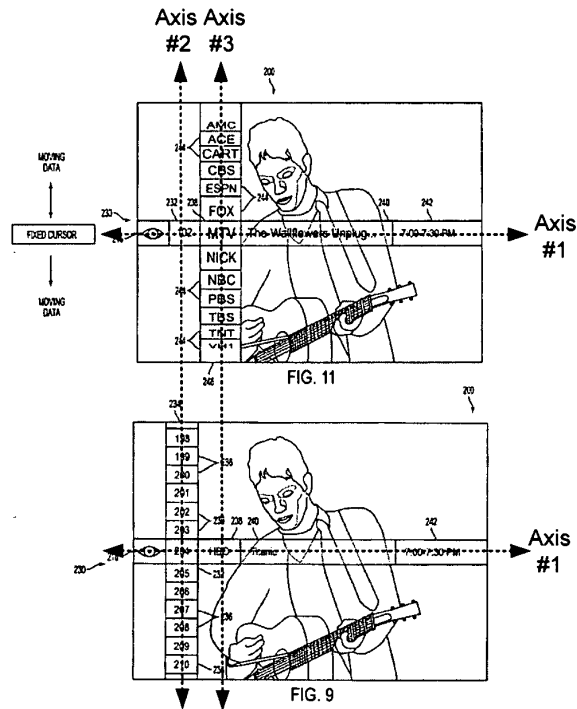
replacing the second sequence of visual cards along the second axis with a third sequence of visual cards along the second axis, the third sequence representing a third type of option, in response to a different visual card from the first sequence being scrolled into the focus area.

According to the claimed invention, a user may scroll a visual card from the first sequence into the focus area, which results in replacing and thereby selecting the second sequence of visual cards displayed along the second axis. Thus, each time the user scrolls the first axis, a different sequence is displayed along the second axis.

With regard to the related limitations in claims 54 and 65, which recited “determining the second set of visual cards based on the user-selected visual card from the first sequence,” the Examiner argued that “Proehl teaches, in column 3, lines 29-48, the user selecting a category of navigation via left and right navigation, and [thus] providing the user with a corresponding vertical grouping of the categories contents.” Office Action at page 12. However, the applicant respectfully submits that this argument fails even with respect to claims 54 and 65, and most certainly does not apply to claim 2, as amended.

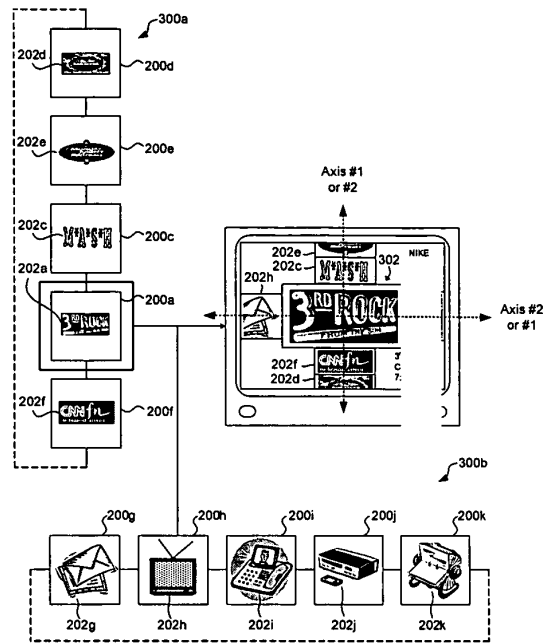
As originally recited in claim 54, the second “set” or “sequence” that is “determined” by the card in the focus area must be displayed “along the second axis” per the limitations of claim 1. However, as shown below, left/right navigation in Proehl causes a new sequence to be displayed along a third axis. Thus, even under the original claim language, Proehl does not teach the step of “determining the

second set of visual cards [displayed along the second axis per claim 1] based on the user-selected visual card from the second sequence.”



Thus, at best, Proehl “determines” a “third” set of visual cards in response to left/right navigation and displays the third set of cards along a “third axis” parallel to the second axis.

This is in direct contrast to the claimed invention in which the second sequence, displayed along the second axis and intersecting the same spatially-fixed focus area, is selected or changed based on the card from the first sequence in the focus area. This claimed two-axis navigation is clearly shown in applicant’s Figure 9 as reproduced below with the addition of dashed lines to show the axes.



Even if the limitations of claim 54 are somehow taught by Proehl, the amended limitations of claim 2 most certainly are not. Claim 2 recites “replacing” the second set of visual cards along the second axis with a third set along the [same] second axis. Proehl does not “replace” the items shown in a vertically-navigable list with a different set of items in response to left/right navigation. Instead, he closes the current vertical list and expands an adjacent one along the status bar 230.

The addition of Matthews would not cure the deficiencies of Proehl. As argued above, Matthews does not teach sequences of cards, let alone first, second, and third sequences, each relating to different types of options. Like Proehl, Matthews does not disclose or suggest perpendicularly-aligned sequences relating to different types of options. Matthews’ grid is completely inapposite to the claimed invention.

Even if Proehl and Matthews somehow taught all of the elements of claim 2, a POOSITA would not combine the references because they teach against the claimed

invention and each other. For instance, Proehl teaches away from a fixed focus area by teaching its opposite, *i.e.*, a movable focus area, which is necessary to switch between his vertically-navigable fields. Additionally, Proehl teaches away from horizontal navigation of elements by stressing the advantages of a hierarchical (left to right) arrangement of fixed fields along the status bar 230, which enables fields on the left to be considered categories of fields on the right. Furthermore, Matthews teaches away from the whole focused navigation concept by moving more than “only” visual cards from the first sequence or “only” visual cards from the second sequence, requiring the user to visually scan a wider area and thereby decrease navigation speed.

In view of the foregoing, claim 2 is patentably distinct. Claims 23 and 44 have been amended to include similar limitations and are likewise believed to be patentably distinct for at least the same reasons.

Claim 43

As amended, claim 43 recites a method for navigation of a plurality of options within a user interface of an interactive television system, comprising:

horizontally scrolling a first sequence of visual cards through a spatially-fixed focus area of the user interface, the visual card of the first sequence of visual cards representing applications within the interactive television system, wherein the visual cards of the first sequence are both aligned with and scrolled along a horizontal axis intersecting the focus area;

in response to a user horizontally scrolling a particular visual card of the first sequence of visual cards corresponding to a television application into the focus area, enabling vertically scrolling of a second sequence of visual cards through the focus area, the visual cards of the second sequence of visual cards representing television programs, wherein the visual cards of the second sequence are both aligned with and scrolled along a vertical axis intersecting

the focus area, and wherein vertical scrolling of the second sequence does not affect visual cards of the first sequence outside of the focus area.

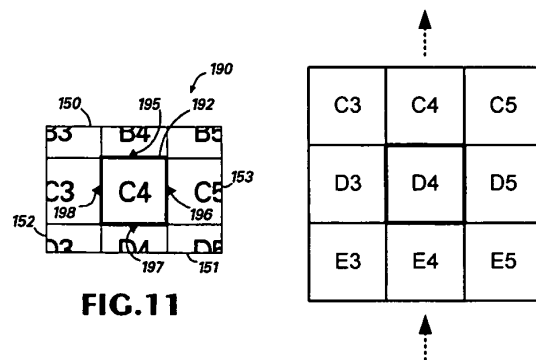
None of the cited references disclose or suggest horizontally scrolling a sequence of cards representing applications through a focus area, and in response to a user scrolling a card representing a television application into the focus area, vertically scrolling a sequence of visual cards through the focus area representing television programs.

While Proehl discloses a leftmost vertical field that can be navigated to select application options (see Figure 7), selection of the television option 216, for example, does not result the display of a sequence of cards representing television programs along the horizontal axis, let alone a sequence of cards that is horizontally scrollable. As argued above, Proehl's status bar cannot be viewed as a "sequence" of options because it is merely a horizontal slice of elements from a number of vertically-navigable fields, each with different types of elements. Only one of the fields, *i.e.*, the Television Program Name Field 240, could even be said to represent television programs, but it can only be expanded in the vertical direction, making it parallel (not perpendicular, as claimed) to the field for selecting the application options.

Even if Proehl's status bar 230 were somehow analogous to the claimed second sequence of cards representing television programs, Proehl does not scroll elements along the status bar 230 in a direction perpendicular to the sequence representing application options. Proehl's fields are horizontally fixed and are intentionally arranged to show a hierarchical relationship from left to right. Proehl does not teach navigation "along" his horizontal status bar 230, only "through" it.

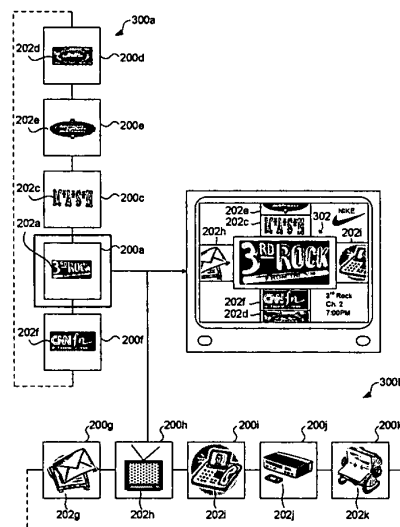
Similarly, Mathews does not disclose or suggest horizontal scrolling of cards representing applications and vertical scrolling of cards representing television programs. He does not even disclose what his elements are (other than “items in a list”), much less that horizontal elements represent one type of option (applications) and vertical elements represent another type of option (television programs).

Mathews also fails to satisfy the limitation of “wherein vertical scrolling of the second sequence does not affect visual cards of the first sequence outside of the focus area.” As noted above, assuming that the Examiner is analogizing the row and column passing through Mathews’ focus frame to the claimed perpendicular sequences, then any vertical motion of Mathews grid completely changes whatever elements are displayed along the horizontal row through the focus frame. This is directly contrary to the claimed limitation of not affecting visual cards of the first (horizontal) sequence outside of the focus area. The difference between Mathews’ approach and that of the claimed invention is graphically shown below.



As illustrated, in response to vertically scrolling Mathews’ grid in an “upward” direction, the options along the horizontal row through the focus frame (C3, C4, C5) are replaced by new options (D3, D4, D5). Thus, the visual cards of the horizontal

sequence outside the focus area have most certainly been “affected,” contrary to the limitations of claim 43. By contrast, as shown below in Figure 9 of the present application, two sequences (as opposed to rows and columns of a grid) may be independently scrolled in certain circumstances. Thus, horizontal cards representing applications need not be affected while vertical cards representing television programs are scrolled.



Nevertheless, vertical sequences may still be changed based on which card from the horizontal sequence is moved into the focus area, as recited, for example, in claim 2. This type of asymmetry is not possible with Matthews and is not disclosed or taught by any of the references, whether considered alone or in combination.

The addition of Schein also does not cure the deficiencies of Proehl and Matthews. Schein does not disclose a horizontal sequence of cards corresponding to applications within an interactive television system. Likewise, Schein does not disclose anything akin to a vertical sequence of cards representing television programs. Schein discloses a standard EPG grid consisting of rectangles of

irregular size representing television programs. However, one of the columns of Schein's grid does not correspond to a sequence of visual cards. Some of the rectangles start midway through a column. Other rectangles cut through both displayed columns, and may additionally extend off the screen in one or both directions depending on the length of the television program. Movement of two sequences corresponding to two different types of options (*i.e.*, applications and television programs) is no more found in Schein than it is in Matthews.

Claims 11, 32, 61, and 72

Claims 11, 32, 61, and 72 variously recite replacing the second sequence of cards with a third sequence of cards representing television programs in a later (or earlier) time slot in response to a single user command. While it is true that Proehl's has a vertically navigable Television Program Title Field 240, there is no way for a user, while navigating that field, to display a list of television programs at a later time slot with a single user command. The user would need to (1) laterally navigate to the separate Program Time Field 242, (2) vertically navigate to a new time slot, and then (3) laterally navigate back to the Television Program Title Field 240 in order to see the listing of television programs in the new time slot. This *a priori* requires more than a single user command.

By contrast, as shown in FIG. 7A of the present application, visual cards may represent both television programs and time slots, allowing a user, while viewing a sequence of cards representing television programs in the 7:00-7:30 time slot (*e.g.*, "NBA Basketball," "King of Queens," "Ally McBeal,"), to initiate a command to switch

to a later time slot (e.g., 7:30-8:00). In response, the original sequence is replaced by television programs in the new time slot (e.g., "Frasier," "CSI," and "Boston Public").

As argued above, Schein does not teach vertical "sequences" of cards representing television programs, let alone sequences of visual cards in a particular broadcast time slot. Some programs, such as "48 Hours" span two or more time slots. To what sequence would "48 Hours" belong?

Schein moves the EPG timeline either left or right, which may have the effect of moving some of the irregularly-sized rectangles off the screen (such as "Seinfeld" but not "48 Hours"), but does not "replace" anything remotely similar to a second sequence with a third sequence, as claimed. Schein, like Matthews, also teaches away from focused navigation of "only" visual cards from a first or second sequence of cards. Moving an entire grid requires the user to visually scan a wider area of the user interface, reducing navigation speed.

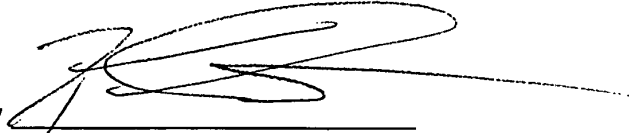
Conclusion

In view of the foregoing, the applicants respectfully submit that all independent claims are patentably distinct, and that all dependent claims are patentably distinct at least by reason of that dependency. Accordingly, all claims are believed to be in condition for allowance. A Notice of Allowance is respectfully requested.

If any issues remain, the Examiner is encouraged to contact the undersigned at the telephone number provided below.

Respectfully submitted,

Digeo, Inc.

By 
Kory D. Christensen
Registration No. 43,548

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Telephone: (801) 328-3131
Facsimile: (801) 578-6999

Doc Code:

DEC 27 2005

12-28-05

PTO/SB/30 (04-95)

Approved for use through 07/31/2006. OMB 0561-0031

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<p align="center">REQUEST FOR CONTINUED EXAMINATION (RCE) TRANSMITTAL</p> <p>Address to: Mail Stop RCE Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450</p>	Application Number	10/138,810
	Filing Date	May 3, 2002
	First Named Inventor	James A. Billmaier et al.
	Art Unit	2173
	Examiner Name	Dennis G. Bonshock
	Attorney Docket Number	50588/299

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application. Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. See Instruction Sheet for RCEs (not to be submitted to the USPTO) on page 2.

1. **Submission required under 37 CFR 1.114** Note: If the RCE is proper, any previously filed unentered and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).
- a. Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.
- i. Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____
- ii. Other _____
- b. Enclosed
- i. Amendment/Reply iii. Information Disclosure Statement (IDS)
- ii. Affidavit(s)/Declaration(s) iv. Other _____

2. **Miscellaneous**
- a. Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of _____ months. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)
- b. Other _____

3. **Fees** The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.
- a. The Director is hereby authorized to charge the following fees, any underpayment of fees, or credit any overpayments to Deposit Account No. 502375. I have enclosed a duplicate copy of this sheet.
- i. RCE fee required under 37 CFR 1.17(e) 12/30/2005 DTESSEM1 00000055 10138810
- ii. Extension of time fee (37 CFR 1.136 and 1.17) 02 FC:1801 790.00 DP
- iii. Other _____
- b. Check in the amount of \$ _____ enclosed
- c. Payment by credit card (Form PTO-2038 enclosed)

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Signature		Date	December 27, 2005
Name (Print / Type)	Kory D. Christensen	Registration No.	43,548

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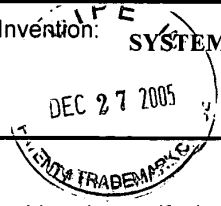
This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)		Docket No.	
Applicant(s): James A. Billmaier et al.		50588/299	

Application No. 10/138,810	Filing Date May 3, 2002	Examiner Dennis G. Bonshock	Customer No. 32641	Group Art Unit 2173
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Invention: **SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE**



I hereby certify that the following correspondence:

Combined Amendment and Petition for Extension of Time (2 pgs.); Amendment (38 pgs.); Request for Continued Examination (1 pg.); PTO-2038 Credit Card Payment Form in the amount of \$910.00; postcard.

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

December 27, 2005
(Date)

Kory D. Christensen

(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

EV699359861US

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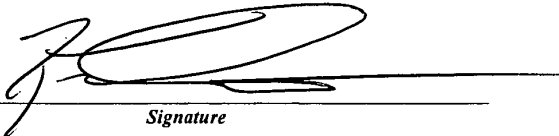
**COMBINED AMENDMENT & PETITION FOR EXTENSION OF
TIME UNDER 37 CFR 1.136(a) (Large Entity)**

Docket No.
50588/299

The fee for the amendment and extension of time is to be paid as follows:

- A check in the amount of _____ for the amendment and extension of time is enclosed.
- Please charge Deposit Account No. _____ in the amount of _____
- The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. **502375**
 - Any additional filing fees required under 37 C.F.R. 1.16.
 - Any patent application processing fees under 37 CFR 1.17.
- If an additional extension of time is required, please consider this a petition therefor and charge any additional fees which may be required to Deposit Account No. _____
- Payment by credit card. Form PTO-2038 is attached.

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Signature

Dated: December 27, 2005

Kory D. Christensen
Registration No. 43,548
STOEL RIVES LLP
One Utah Center
201 South Main Street, Suite 1100
Salt Lake City, UT 84111
Phone: (801) 578-6993
Facsimile: (801) 578-6999

cc: Client

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(Date)

Signature of Person Mailing Correspondence

Typed or Printed Name of Person Mailing Correspondence

P28LARGE/REV05

PATENT APPLICATION FEE DETERMINATION RECORD
Effective October 1, 2001

Application or Docket Number

40138810

CLAIMS AS FILED - PART I

	(Column 1)	(Column 2)
TOTAL CLAIMS	51	
FOR	NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS	51 minus 20 =	31
INDEPENDENT CLAIMS	5 minus 3 =	2
MULTIPLE DEPENDENT CLAIM PRESENT <input type="checkbox"/>		

* If the difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II

5/25/05

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	* 58 Minus ** 50	= 8
	Independent	* 5 Minus *** 5	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

122705

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	* 55 Minus ** 58	= 0
	Independent	* 5 Minus *** 5	= 0
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	* Minus **	=
	Independent	* Minus ***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."
 The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

SMALL ENTITY TYPE OR OTHER THAN SMALL ENTITY

RATE	FEE	OR	RATE	FEE
BASIC FEE	370.00	OR	BASIC FEE	740.00
X\$ 9=		OR	X\$18=	58
X42=		OR	X84=	168
+140=		OR	+280=	
TOTAL		OR	TOTAL	

SMALL ENTITY OR OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
X\$ 9=		OR	X\$18=	400.00
X42=		OR	X84=	
+140=		OR	+280=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	400.00

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RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
X\$ 9=		OR	X\$18=	
X42=		OR	X84=	
+140=		OR	+280=	
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X\$ 9=		OR	X\$18=	
X42=		OR	X84=	
+140=		OR	+280=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

CLAIMS ONLY

SERIAL NO.
10138810

FILING DATE

APPLICANT(S)

122700

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT		*	*	*	
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* MAY BE USED FOR ADDITIONAL CLAIMS OR AMENDMENTS

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/138,810	05/03/2002	James A. Billmaier	50588/299	4013
32641	7590	08/26/2005	EXAMINER	
DIGEO, INC C/O STOEL RIVES LLP 201 SOUTH MAIN STREET, SUITE 1100 ONE UTAH CENTER SALT LAKE CITY, UT 84111			BONSHOCK, DENNIS G	
			ART UNIT	PAPER NUMBER
			2173	

DATE MAILED: 08/26/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/138,810	Applicant(s) BILLMAIER ET AL.	
	Examiner Dennis G. Bonshock	Art Unit 2173	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 25 May 2005.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-11, 16-18, 22-32, 37-39 and 43-72 is/are pending in the application.
 - 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-11, 16-18, 22-32, 37-39 and 43-72 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 - 1. Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. _____.
 - 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 7/27, 4/22, 2/14/05.
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____.

PS

Final Rejection

Response to Amendment

1. It is hereby acknowledged that the following papers have been received and placed on record in the file: Amendment as received on 5-25-2005.

2. Claims 1-72 have been examined.

Status of Claims:

3. Claims 1-3, 7-10, 22-24, 28-31, 43, 44, 48-55, 61, and 63-66, are rejected under 35 U.S.C. 103(a) as being unpatentable over Proehl et al., Patent #6,690,391, hereinafter Proehl and Matthews III et al., Patent #5,677,708, hereinafter Matthews.

4. Claims 4-6, 11, 16-18, 25-27, 32, 37-39, 45-47, 60, 62, 71, and 72 are rejected under 35 U.S.C. 103(a) as being unpatentable over Proehl, Matthews, and Schein et al., Patent #6,151,059, hereinafter Schein.

5. Claims 56 and 67 are rejected under 35 U.S.C. 103(a) as being unpatentable over Proehl, Matthews, and Bernhardson, application US 2003/0001898.

6. Claims 57-59 and 68-70 are rejected under 35 U.S.C. 103(a) as being unpatentable over Proehl, Matthews, and Sciammarella, Patent #6,281,940.

7. Claims 12-15, 19-21, 33-36, and 40-42 have been cancelled by the applicant.

Double Patenting

8. The Terminal Disclaimers, for 10/138,803, 10/138,804, and 10/138,805, have been received and placed on record.

Claim Rejections - 35 USC § 112

9. The following is a quotation of the first paragraph of 35 U.S.C. 112:

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The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

10. Claim 11 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. Support was not pointed out by the applicant, nor could it be found in the specification by the examiner for the limitations of the third sequence representing television programming source in a later broadcast time slot.

Claim Rejections - 35 USC § 103

11. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

12. Claims 1-3, 7-10, 22-24, 28-31, 43, 44, 48-55, 61, and 63-66, are rejected under 35 U.S.C. 103(a) as being unpatentable over Proehl et al., Patent #6,690,391, hereinafter Proehl and Matthews III et al., Patent #5,677,708, hereinafter Matthews.

13. With regard to claim 1, which teaches a method of navigation of a plurality of options within a user interface, Proehl teaches, in column 1, line 62 through column 2, line 25, navigating through audio/visual listings in a graphical user interface. With regard to claim 1, further teaching shifting a first sequence of visual through a spatially

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fixed area of the user interface, Proehl teaches, in column 4, lines 20-46, column 9, line 42 through column 10, line 27, and in figures 9 and 10, allowing the user to successively display information in a electronic program guide, where each successive display shows an episode at a particular time slot, being shifted through a fixed focus frame (stationary cursor). With regard to claim 1, further teaching allowing a user to select the visual card of the first sequence of visual cards within the focus area in order to view the selected visual card, Proehl teaches, in column 4, lines 8-20, in column 9, lines 63-67, and in column 10, lines 1-3 and lines 21-27, the user having the ability to select an element in the scrollable view where selection of an element (currently in the stationary cursor) provides a live display of the television program currently being received. Proehl further teaches a second sequence of elements (see figure 11), and in column 3, line 29 through column 4, line 20 and in figure 11, the users ability to scroll items in two perpendicular navigable axes containing sets for elements. Proehl, however, doesn't teach that shifting of a second set of visual cards through the same spatially fixed focus area. Matthews teaches, an electronic program guide capable of selection of item in two dimensions, similar to that of Proehl, but further teaches, in column 10, lines 26-36, column 13, lines 1-20, column 15, lines 27-36, column 17, lines 23-44, and in figure 11, that whether moving items in the EPG up, down, right, or left, they are all moved through one stationary focus in the center of the display. It would have been obvious to one of ordinary skill in the art, having the teachings of Proehl and Matthews before him at the time the invention was made to modify the EPG of Proehl to rotate all items (vertically or horizontally arranged) through one stationary focus. One would have been

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motivated to make such a combination because this provides the user with a display that clearly shows what item is focused, by maintaining it in a center position of the display.

14. With regard to claims 2 and 23, which teach storing the first sequence of visual cards, Proehl teaches, in column 5, lines 20-24, the grid information of the GUI being stored on a server, local or remote, and downloaded as needed.

15. With regard to claims 3 and 24, which teach discontinuing the shifting of the first sequence of visual cards, Proehl teaches, in column 4, lines 34-46, using a spring loaded switch, such as a rocker switch, that successively scrolls when held in a direction and upon release discontinues the successive display.

16. With regard to claims 7 and 28, which teach visual cards of the first sequence representing different types of media, Proehl teaches, in column 9, line 19-41 and in figure 8, visual cards representing types of media.

17. With regard to claims 8 and 29, which teach shifting of visual cards in response to a single user action, Proehl teaches, in column 4, lines 34-46, the user using a rocker switch to successively display elements.

18. With regard to claims 9 and 30, which teach the selection of a particular visual card being in response to an additional user action, Proehl teaches, in column 4, lines 34-46, using a spring loaded switch, such as a rocker switch, that successively scrolls when held in a direction and upon release discontinues the successive display, Proehl further teaches, in column 4, lines 8-34, selection by a user pressing down on the scroll cylinder.

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19. With regard to claims 10 and 31, which teach the selection of a particular visual card being in response to a single user action, Proehl teaches, in column 4, lines 34-46, using a spring loaded switch, such as a rocker switch, that successively scrolls when held in a direction and upon release discontinues the successive display, Proehl further teaches, in column 4, lines 8-34, selection by a user pressing down on the scroll cylinder.

20. With regard to claim 22, which teaches a system for focused navigation of options within a user interface, Proehl teaches, in column 1, line 62 through column 2, line 25, navigating through audio/visual listings in a graphical user interface. With regard to claim 22, further teaching a user input detector configured to detect actions of a user, Proehl teaches, in column 4, lines 34-46, using a spring loaded switch, such as a rocker switch, that a user uses to provide input. With regard to claim 22, further teaching shifting a first sequence of visual through a spatially fixed area of the user interface, Proehl teaches, in column 4, lines 20-46, column 9, line 42 through column 10, line 27, and in figures 9 and 10, allowing the user to successively display information in a electronic program guide, where each successive display shows an episode at a particular time slot, being shifted through a fixed focus frame (stationary cursor). With regard to claim 22, further teaching allowing a user to select the visual card of the first sequence of visual cards within the focus area in order to view the selected visual card, Proehl teaches, in column 4, lines 8-20, in column 9, lines 63-67, and in column 10, lines 1-3 and lines 21-27, the user having the ability to select an element in the scrollable view where selection of an element (currently in the stationary

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cursor) provides a live display of the television program currently being received.

Proehl further teaches a second sequence of elements (see figure 11), and in column 3, line 29 through column 4, line 20 and in figure 11, the users ability to scroll items in two perpendicular navigable axes containing sets for elements. Proehl, however, doesn't teach that shifting of a second set of visual cards through the same spatially fixed focus area. Matthews teaches, an electronic program guide capable of selection of item in two dimensions, similar to that of Proehl, but further teaches, in column 10, lines 26-36, column 13, lines 1-20, column 15, lines 27-36, column 17, lines 23-44, and in figure 11, that whether moving items in the EPG up, down, right, or left, they are all moved through one stationary focus in the center of the display. It would have been obvious to one of ordinary skill in the art, having the teachings of Proehl and Matthews before him at the time the invention was made to modify the EPG of Proehl to rotate all items (vertically or horizontally arranged) through one stationary focus. One would have been motivated to make such a combination because this provides the user with a display that clearly shows what item is focused, by maintaining it in a center position of the display.

21. With regard to claim 43, which teaches a method of navigation of a plurality of options within a user interface, Proehl teaches, in column 1, line 62 through column 2, line 25, navigating through audio/visual listings in a graphical user interface. With regard to claim 43, further teaching horizontally scrolling a first sequence of visual cards through a spatially fixed area of the user interface, each card representing a category of options, Proehl teaches, in column 4, lines 20-46, column 9, line 42 through column 10,

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line 27, and in figures 9 and 10, allowing the user to successively display information in a electronic program guide, where each successive display shows a different category of options (source, channel, network, program, time) when shifted horizontally, being shifted through a focus frame (vertically stationary cursor). With regard to claim 43, further teaching allowing a user to select the visual card of the first sequence of visual cards within the focus area in order select a category and allowing vertical scrolling of a second sequence through the focus, the selectable options representing options from the category and requires no more than a single user command, Proehl teaches, in column 3, lines 29-48 and figure 11, allowing the user to select a category of navigation by selecting via left and right movements and allowing navigation of the vertically expanded category, and further teaches in column 8, line 60 through column 9, line 15, that when the GUI is in interactive mode vertically navigable features are automatically displayed when the category field is highlighted. Proehl further teaches, the users ability to scroll items in two perpendicular navigable axes containing sets for elements (see figure 11). Proehl, however, doesn't teach that shifting of a second set of visual cards through the same spatially fixed focus area. Matthews teaches, an electronic program guide capable of selection of item in two dimensions, similar to that of Proehl, but further teaches, in column 10, lines 26-36, column 13, lines 1-20, column 15, lines 27-36, column 17, lines 23-44, and in figure 11, that whether moving items in the EPG up, down, right, or left, they are all moved through one stationary focus in the center of the display. It would have been obvious to one of ordinary skill in the art, having the teachings of Proehl and Matthews before him at the time the invention was made to

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modify the EPG of Proehl to rotate all items (vertically or horizontally arranged) through one stationary focus. One would have been motivated to make such a combination because this provides the user with a display that clearly shows what item is focused, by maintaining it in a center position of the display.

22. With regard to claim 44, which teaches the user enabling the vertical scrolling of the second sequence of visual cards by selecting a particular visual card of the first sequence, Proehl further teaches in column 8, line 60 through column 9, line 15, that when the GUI is in interactive mode vertically navigable features are automatically displayed for navigation when the category field is highlighted.

23. With regard to claim 48, which teaches a carrier signal for carrying visual card data, Proehl teaches, in column 5, lines 15-39, transferring AV grid information to the computer from remote databases. With regard to claim 48, further teaching shifting a first sequence of visual through a spatially fixed area of the user interface, Proehl teaches, in column 4, lines 20-46, column 9, line 42 through column 10, line 27, and in figures 9 and 10, allowing the user to successively display information in a electronic program guide, where each successive display shows an episode at a particular time slot, being shifted through a fixed focus frame (stationary cursor). With regard to claim 48, further teaching allowing a user to select the visual card of the first sequence of visual cards within the focus area in order to view the selected visual card, Proehl teaches, in column 4, lines 8-20, in column 9, lines 63-67, and in column 10, lines 1-3 and lines 21-27, the user having the ability to select an element in the scrollable view where selection of an element (currently in the stationary cursor) provides a live display

of the television program currently being received. Proehl further teaches a second sequence of elements (see figure 11), and in column 3, line 29 through column 4, line 20 and in figure 11, the users ability to scroll items in two perpendicular navigable axes containing sets for elements. Proehl, however, doesn't teach that shifting of a second set of visual cards through the same spatially fixed focus area. Matthews teaches, an electronic program guide capable of selection of item in two dimensions, similar to that of Proehl, but further teaches, in column 10, lines 26-36, column 13, lines 1-20, column 15, lines 27-36, column 17, lines 23-44, and in figure 11, that whether moving items in the EPG up, down, right, or left, they are all moved through one stationary focus in the center of the display. It would have been obvious to one of ordinary skill in the art, having the teachings of Proehl and Matthews before him at the time the invention was made to modify the EPG of Proehl to rotate all items (vertically or horizontally arranged) through one stationary focus. One would have been motivated to make such a combination because this provides the user with a display that clearly shows what item is focused, by maintaining it in a center position of the display.

24. With regard to claims 49 and 51, which teach the visual cards of the first sequence graphically represent at least one of broadcast television channels, networks, and programs, Proehl teaches, in column 9, lines 41-50 and in figures 9 and 11, a sequence of visual cards that represent television channels, networks, and programs.

25. With regard to claim 50, which teaches a system for focused navigation of a plurality of options within a user interface, comprising means for scrolling a first sequence of visual through a spatially fixed area of the user interface, Proehl teaches,

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in column 4, lines 20-46, column 9, line 42 through column 10, line 27, and in figures 9 and 10, allowing the user to successively display information in a electronic program guide, where each successive display shows an episode at a particular time slot, being shifted through a fixed focus frame (stationary cursor). With regard to claim 50, further teaching allowing a user to select the visual card of the first sequence of visual cards within the focus area in order to view the selected visual card, Proehl teaches, in column 4, lines 8-20, in column 9, lines 63-67, and in column 10, lines 1-3 and lines 21-27, the user having the ability to select an element in the scrollable view where selection of an element (currently in the stationary cursor) provides a live display of the television program currently being received. Proehl further teaches a second sequence of elements (see figure 11), and in column 3, line 29 through column 4, line 20 and in figure 11, the users ability to scroll items in two perpendicular navigable axes containing sets for elements. Proehl, however, doesn't teach that shifting of a second set of visual cards through the same spatially fixed focus area. Matthews teaches, an electronic program guide capable of selection of item in two dimensions, similar to that of Proehl, but further teaches, in column 10, lines 26-36, column 13, lines 1-20, column 15, lines 27-36, column 17, lines 23-44, and in figure 11, that whether moving items in the EPG up, down, right, or left, they are all moved through one stationary focus in the center of the display. It would have been obvious to one of ordinary skill in the art, having the teachings of Proehl and Matthews before him at the time the invention was made to modify the EPG of Proehl to rotate all items (vertically or horizontally arranged) through one stationary focus. One would have been motivated to make such a combination

because this provides the user with a display that clearly shows what item is focused, by maintaining it in a center position of the display.

26. With regard to claims 52 and 63, which teach the first axis being horizontal and the second axis being vertical, Proehl teaches, in column 3, line 29 through column 4, line 20 and in figure 11, the users ability to scroll items in two perpendicular navigable axes containing sets for elements. Either axis could be interpreted as the vertical or the horizontal.

27. With regard to claims 53 and 64, which teach the first axis being vertical and the second axis being horizontal, Proehl teaches, in column 3, line 29 through column 4, line 20 and in figure 11, the users ability to scroll items in two perpendicular navigable axes containing sets for elements. Either axis could be interpreted as the vertical or the horizontal.

28. With regard to claims 54 and 65, which teach determining the second set of visual cards based on the user-selected visual card from the first sequence, Proehl teaches, in column 3, lines 29-48, the user selecting a category of navigation via left and right navigation, and this providing the user with a corresponding vertical grouping of the categories contents.

29. With regard to claims 55 and 66, which teach the user transitioning from pausing the scrolling of the first sequence to scrolling the second sequence in response to a single user action, Proehl further teaches in column 8, line 60 through column 9, line 15, that when the GUI is in interactive mode vertically navigable features are automatically displayed and made navigable when the category field is highlighted.

30. With regard to claim 61, which teaches the visual cards of the first sequence represent selectable categories of options and wherein the visual cards of the second sequence represent options from a selected category, Proehl further teaches, in column 3, lines 29-48, that a left to right sequence of visual cards represent a category and the up and down sequence of cards represent options within the category.

31. Claims 4-6, 11, 16-18, 25-27, 32, 37-39, 45-47, 60, 62, 71, and 72 are rejected under 35 U.S.C. 103(a) as being unpatentable over Proehl, Matthews, and Schein et al., Patent #6,151,059, hereinafter Schein.

32. With regard to claims 4, 25, and 45, Proehl teaches, in column 9, lines 41-50 and in figure 9, a sequence of visual cards that represent television channels. Proehl and Matthews teach a system in which two sets of perpendicular cards are scrolled through a spatially fixed focus area (*supra*), but don't teach two perpendicular sequences where each of the items within each sequence contain items that are of the same type. Schein teaches a system for scrolling (click and hold) through program options (channel, network, program, etc.) in a EPG (electronic program guide) (see column 11, lines 44-62 and in figure 7), similar to that of Proehl and Matthews, but further teaches, in column 11, lines 44-62 and in figure 7, a second sequence of cards perpendicular to the first where all cards represent the same type of element. It would have been obvious to one of ordinary skill in the art, having the teachings of Proehl, Matthews, and Schein before him at the time the invention was made to modify the EPG of Proehl and Matthews to include a second perpendicular sequence where all cards represent the

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same type of element. One would have been motivated to make such a combination because this provides a different design choice where selection between two sets can be accomplished in a single operation, instead of choosing a category before being able to manipulate its value.

33. With regard to claims 5, 26, and 46, Proehl teaches, in column 9, lines 41-50 and in figure 11, a sequence of visual cards that represent television networks. Proehl and Matthews teach a system in which two sets of perpendicular cards are scrolled through a spatially fixed focus area (supra), but don't teach two perpendicular sequences where each of the items within each sequence contain items that are of the same type. Schein teaches a system for scrolling (click and hold) through program options (channel, network, program, etc.) in a EPG (electronic program guide) (see column 11, lines 44-62 and in figure 7), similar to that of Proehl and Matthews, but further teaches, in column 11, lines 44-62 and in figure 7, a second sequence of cards perpendicular to the first where all cards represent the same type of element. It would have been obvious to one of ordinary skill in the art, having the teachings of Proehl, Matthews, and Schein before him at the time the invention was made to modify the EPG of Proehl and Matthews to include a second perpendicular sequence where all cards represent the same type of element. One would have been motivated to make such a combination because this provides a different design choice where selection between two sets can be accomplished in a single operation, instead of choosing a category before being able to manipulate its value.

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34. With regard to claims 6, 27, and 47, Proehl teaches, in column 9, lines 41-50 and in figure 11, a sequence of visual cards that represent television programs. Proehl and Matthews teach a system in which two sets of perpendicular cards are scrolled through a spatially fixed focus area (supra); but don't teach two perpendicular sequences where each of the items within each sequence contain items that are of the same type. Schein teaches a system for scrolling (click and hold) through program options (channel, network, program, etc.) in a EPG (electronic program guide) (see column 11, lines 44-62 and in figure 7), similar to that of Proehl and Matthews, but further teaches, in column 11, lines 44-62 and in figure 7, a second sequence of cards perpendicular to the first where all cards represent the same type of element. It would have been obvious to one of ordinary skill in the art, having the teachings of Proehl, Matthews, and Schein before him at the time the invention was made to modify the EPG of Proehl and Matthews to include a second perpendicular sequence where all cards represent the same type of element. One would have been motivated to make such a combination because this provides a different design choice where selection between two sets can be accomplished in a single operation, instead of choosing a category before being able to manipulate its value.

35. With regard to claims 11 and 32, Proehl teaches, in column 9, lines 41-50 and in figure 9, a sequence of visual cards that represent the time of a television broadcast. Proehl and Matthews teach a system in which two sets of perpendicular cards are scrolled through a spatially fixed focus area (supra), but don't teach replacing the second sequence of cards with a third sequence in response to a single use action, the

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third sequence representing visual cards in a later broadcast time slot. Schein teaches a system for scrolling (click and hold) through program options (channel, network, program, etc.) in a EPG (electronic program guide) (see column 11, lines 44-62 and in figure 7), similar to that of Proehl and Matthews, but further teaches, in column 11, lines 44-62 and in figure 7, a second sequence of cards perpendicular to the first where all cards represent the same type of element, a few right or left actions on an input device changes the broadcast time slot. Now should the user press up or down a new set of visual cards will be provided to the user, in the later broadcast time slot. It would have been obvious to one of ordinary skill in the art, having the teachings of Proehl, Matthews, and Schein before him at the time the invention was made to modify the EPG of Proehl and Matthews to include a second perpendicular sequence where all cards represent the same type of element and to allow for changing the program time slot in a single user action. One would have been motivated to make such a combination because this provides a different design choice where selection between two sets can be accomplished in a single operation, instead of choosing a category before being able to manipulate its value, further providing ease in navigation.

36. With regard to claims 16 and 37, Proehl teaches, in column 9, lines 41-50 and in figure 9, a sequence of visual cards that represent the time of a television broadcast and representing television channels. Proehl and Matthews teach a system in which two sets of perpendicular cards are scrolled through a spatially fixed focus area (supra), but don't teach two perpendicular sequences where each of the items within each sequence contain items that are of the same type. Schein teaches a system for

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scrolling (click and hold) through program options (channel, network, program, etc.) in a EPG (electronic program guide) (see column 11, lines 44-62 and in figure 7), similar to that of Proehl and Matthews, but further teaches, in column 11, lines 44-62 and in figure 7, a second sequence of cards perpendicular to the first (representing channel, network, program, etc.) where all cards represent the same type of element and the horizontal elements representing a corresponding time slot. It would have been obvious to one of ordinary skill in the art, having the teachings of Proehl, Matthews, and Schein before him at the time the invention was made to modify the EPG of Proehl and Matthews to include a second perpendicular sequence where all cards represent the same type of element. One would have been motivated to make such a combination because this provides a different design choice where selection between two sets can be accomplished in a single operation, instead of choosing a category before being able to manipulate its value.

37. With regard to claims 17 and 38, Proehl teaches, in column 9, lines 41-50 and in figure 9, a sequence of visual cards that represent the time of a television broadcast and representing television networks. Proehl and Matthews teach a system in which two sets of perpendicular cards are scrolled through a spatially fixed focus area (supra), but don't teach two perpendicular sequences where each of the items within each sequence contain items that are of the same type. Schein teaches a system for scrolling (click and hold) through program options (channel, network, program, etc.) in a EPG (electronic program guide) (see column 11, lines 44-62 and in figure 7), similar to that of Proehl and Matthews, but further teaches, in column 11, lines 44-62 and in figure

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7, a second sequence of cards perpendicular to the first (representing channel, network, program, etc.) where all cards represent the same type of element and the horizontal elements representing a corresponding time slot. It would have been obvious to one of ordinary skill in the art, having the teachings of Proehl, Matthews, and Schein before him at the time the invention was made to modify the EPG of Proehl and Matthews to include a second perpendicular sequence where all cards represent the same type of element. One would have been motivated to make such a combination because this provides a different design choice where selection between two sets can be accomplished in a single operation, instead of choosing a category before being able to manipulate its value.

38. With regard to claims 18 and 39, Proehl teaches, in column 9, lines 41-50 and in figure 9, a sequence of visual cards that represent the time of a television broadcast and representing television programs. Proehl and Matthews teach a system in which two sets of perpendicular cards are scrolled through a spatially fixed focus area (*supra*), but don't teach two perpendicular sequences where each of the items within each sequence contain items that are of the same type. Schein teaches a system for scrolling (click and hold) through program options (channel, network, program, etc.) in a EPG (electronic program guide) (see column 11, lines 44-62 and in figure 7), similar to that of Proehl and Matthews, but further teaches, in column 11, lines 44-62 and in figure 7, a second sequence of cards perpendicular to the first (representing channel, network, program, etc.) where all cards represent the same type of element and the horizontal elements representing a corresponding time slot. It would have been obvious to one of

ordinary skill in the art, having the teachings of Proehl, Matthews, and Schein before him at the time the invention was made to modify the EPG of Proehl and Matthews to include a second perpendicular sequence where all cards represent the same type of element. One would have been motivated to make such a combination because this provides a different design choice where selection between two sets can be accomplished in a single operation, instead of choosing a category before being able to manipulate its value.

39. With regard to claims 60 and 71, Proehl further teaches the episodes being in a corresponding time slot (see column 9, lines 45-50), but doesn't teach replacing the sequence of episodes (in the vertical views) with a second sequence in response to a single user command. Schein further teaches that the episodes can be replaced with a second sequence of programs in a earlier time slot in response to a user pressing a left button on a remote control (see column 11, lines 45-62, and in figures 8-10), and sequences of cards representing episodes of a series of episodes of a program (see column 12, lines 36-61 and in figures 15-17). It would have been obvious to one of ordinary skill in the art, having the teachings of Proehl, Matthews, and Schein before him at the time the invention was made to modify the program information display of Proehl and Matthews to include the switching display set of programs based on a single user command, as did Schein. One would have been motivated to make such a combination because the use of a second set of visual cards that can be provided with a single input provides the user with not only an easily navigable view.

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40. With regard to claims 62 and 72, Proehl teaches offering differing scrolling speeds for traversing sequences of elements (see column 4, lines 34-46), but doesn't teach basing the speed on how long a button is held down by the user. Schein teaches a system for scrolling (click and hold) through program options (channel, network, program, etc.) in a EPG (electronic program guide) (see column 11, lines 44-62 and in figure 7), similar to that of Proehl and Matthews, but further teaches, in column 11, lines 55-57, accelerating over time as the user continues to hold a control. It would have been obvious to one of ordinary skill in the art, having the teachings of Proehl, Matthews, and Schein before him at the time the invention was made to modify the EPG of Proehl and Matthews to include the differing scrolling speed based on time, as did Schein. One would have been motivated to make such a combination because this provides the user with a means to swiftly move between distant elements in a scrollable list.

41. Claims 56 and 67 are rejected under 35 U.S.C. 103(a) as being unpatentable over Proehl, Matthews, and Bernhardson, application US 2003/0001898.

42. With regard to claim 56 and 67, Proehl and Matthews teach a system in which two sets of perpendicular cards are scrolled through a spatially fixed focus area (supra), but don't teach the first and second sequences forming quadrants where supplemental information related to the visual card within the focus is displayed in at least one quadrant. Bernhardson teaches, on page 1, column 2, paragraph 7, a display comprising two scroll bars that can be successively scrolled through the focus region,

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similar to that of Proehl and Matthews, but further teaches, in paragraph 25 and in figure 3, a display where one of the quadrants of the intersecting scroll bars is used for programming content, and another is used for a text area. It would have been obvious to one of ordinary skill in the art, having the teachings of Proehl, Matthews, and Bernhardson before him at the time the invention was made to modify the EPG of Proehl and Matthews to include the display of information in one of the quadrants. One would have been motivated to make such a combination because the quadrant (that have been already created in Proehl could be used to store sets of information regarding the focus and give the user a more complete understanding of the selected item.

43. Claims 57-59 and 68-70 are rejected under 35 U.S.C. 103(a) as being unpatentable over Proehl, Matthews, and Sciammarella, Patent #6,281,940.

44. With regard to claims 57 and 68, which teach the visual picture to graphically represent the associated episode, Proehl and Matthews teach each card having an associated graphic that is displayed when placed in focus (*supra*). They don't specifically teach the graphic being picture. Sciammarella teaches an EPG that rotates items through a spatially fixed focus area (see column 1, lines 36-44 and column 2, lines 7-16), but further teaches in column 8, lines 27-56, the cards including picture elements. It would have been obvious to one of ordinary skill in the art, having the teachings of Proehl, Matthews, and Sciammarella to include the picture elements of Sciammarella into the EPGs of Proehl and Matthews. One would have been motivated

to make such a combination because this provides the user with a graphical representation that a user would more easily recognize as familiar than text alone, at first glance.

45. With regard to claims 58 and 69, which teach the picture comprising a captured video frame, Sciammarella teaches, in column 8, lines 26-56, the user being provided with a still image on the display to represent the visual card, should the user stay on the channel for a longer time a video segment is played.

46. With regard to claims 59 and 70, which teach the picture comprising a animated picture, Sciammarella teaches, in column 8, lines 26-56, the user being provided with a still image on the display to represent the visual card, should the user stay on the channel for a longer time a video segment is played.

Response to Arguments

47. The arguments filed on 5-25-2005 have been fully considered but they are not persuasive. Reasons set forth below.

48. Applicant's arguments with respect to claims 1, 22, 43, and 50, have been considered but are moot in view of the new ground(s) of rejection.

49. Applicants argue that Proehl does not teach shifting two sequences along perpendicular axes.

50. In response, the examiner respectfully submits that Proehl further teaches, in column 3, line 29 through column 4, line 20 and in figure 11, the users ability to scroll item in two perpendicular navigable sets for elements.

51. Applicants argue that Proehl does not teach determining a second sequence based on a selected visual card from the first sequence.

52. In response, the examiner respectfully submits that (it is believed that the applicant meant to point to claim 54) Proehl teaches, in column 3, lines 29-48, the user selecting a category of navigation via left and right navigation, and this providing the user with a corresponding vertical grouping of the categories contents.

Conclusion

53. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

54. A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

55. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dennis G. Bonshock whose telephone number is (571)

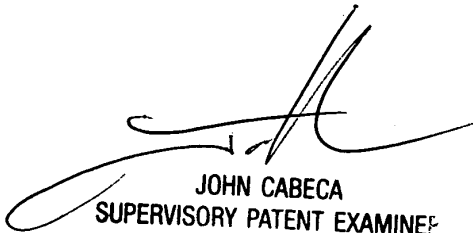
Art Unit: 2173

272-4047. The examiner can normally be reached on Monday - Friday, 6:30 a.m. - 4:00 p.m.

56. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cabeca can be reached on (571) 272-4048. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

57. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

8-9-05
dgb



JOHN CABECA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				Docket Number (Optional) 50588/299		Application Number 10/138,810			
				Applicant(s) James A. Billmaier et al.					
				Filing Date May 3, 2002		Group Art Unit 2173			
U.S. PATENT DOCUMENTS									
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
<i>RG</i>	A1	5,673,401	09/30/1997	Volk et al.	395	327	07/31/95		
<i>RG</i>	A2	5,838,326	11/17/98	Card et al.	345	355	09/26/96		
U.S. PATENT APPLICATION PUBLICATIONS									
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
<i>RG</i>	B1	2003/0093792 A1	05/15/03	Labeeb et al.	725	46	06/27/01		
FOREIGN PATENT DOCUMENTS									
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation		
							YES	NO	
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>									
EXAMINER <i>[Signature]</i>				DATE CONSIDERED 8-9-05					
<small>EXAMINER Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>									

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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				Docket Number (Optional) 50588/299		Application Number 10/138,810		
				Applicant(s) James A. Billmaier et al.				
				Filing Date May 3, 2002		Group Art Unit 2173		
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
268	A1	5,677,708	10/14/97	Matthews, III et al.	345	115	05/05/95	
	A2	6,163,345	12/19/00	Noguchi et al.	348	564	01/04/95	
	A3	6,188,406 B1	02/13/01	Fong et al.	345	348	08/12/98	
	A4	6,281,940 B1	08/28/01	Sciammarella	348	564	03/31/99	
	A5	10/260,738		Billmaier et al.			09/30/02	
U.S. PATENT APPLICATION PUBLICATIONS								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
FOREIGN PATENT DOCUMENTS								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
268	B1	1 028 570 A1	16/08/2000	EPO	H04M	1/00		
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>								
EXAMINER				DATE CONSIDERED 8-9-05				
EXAMINER Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								



Sheet 1 of 2

FORM PTO-1449 (REV. 7-80) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 50588/299

APPLICATION NO. 10/138,810

INFORMATION DISCLOSURE CITATION

Title: SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE

APPLICANT - James A. Billmaier et al.

FILING DATE- May 3, 2002

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
XG9	A1	10/097,174		Billmaier et al.			03/12/02
	A2	10/105,088		Billmaier			03/22/02
	A3	10/105,083		Billmaier			03/22/02
	A4	10/097,195		Billmaier et al.			03/12/02
	A5	10/108,178		Billmaier et al.			03/27/02
	A6	10/113,889		Billmaier et al.			03/29/02
	A7	10/107,601		Billmaier et al.			03/27/02
	A8	10/113,820		Billmaier et al.			03/29/02
	A9	10/186,209		Istvan et al.			06/27/02
	A10	10/186,210		Billmaier et al.			06/27/02
	A11	10/230,964		Istvan et al.			08/29/02
	A12	10/260,700		Billmaier et al.			09/30/02
	A13	10/270,738		Billmaier et al.			09/30/02
	A14	10/260,208		Billmaier et al.			09/30/02
	A15	10/328,754		Rappaport et al.			12/23/02
	XG9	A16	10/259,199		Young et al.		

EXAMINER

DATE CONSIDERED 8-9-05

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Sheet 2 of 2

FORM PTO-1449 (REV. 7-80)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
50588/299

APPLICATION NO.
10/138,810

INFORMATION DISCLOSURE CITATION

Title: **SYSTEM AND METHOD FOR FOCUSED NAVIGATION
WITHIN A USER INTERFACE**

APPLICANT - James A. Billmaier et al.

FILING DATE-
May 3, 2002

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EXAMINER *[Signature]*

A17	10/138,805		Billmaier et al.			05/03/02
A18	10/138,803		Billmaier et al.			05/03/02
A19	10/183,804		Billmaier et al.			05/03/02
A20	60/317,612		Reid et al.			09/06/01
A21	60/324,997		Reid et al.			09/26/01
A22	10/186,094		Billmaier et al.			06/29/02
A23	10/187,118		Billmaier et al.			06/29/02
A24	10/186,095		Billmaier et al.			06/29/02
A25	60/377,627		Billmaier et al.			05/03/02
A26	29/161,708		Nguyen et al.			06/03/02
A27	10/251,366		Allen et al.			09/20/02
A28	10/260,881		Allen et al.			09/30/02
A29	10/320,900		Kolde et al.			12/16/02
A30	10/328,514		Kolde et al.			12/23/02
A31	6,690,391 B1	02/10/04	Proehl et al.	345	720	07/13/00
A32	5,850,218	12/15/98	LaJoie et al.	345	327	02/19/97

DATE CONSIDERED *8-9-05*

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Notice of References Cited	Application/Control No. 10/138,810	Applicant(s)/Patent Under Reexamination BILLMAIER ET AL.	
	Examiner Dennis G. Bonshock	Art Unit 2173	Page 1 of 1

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
A	US-6,151,059 A	11-2000	Schein et al.	725/37
B	US-6,281,940 B1	08-2001	Sciammarella, Eduardo A.	348/564
C	US-5,677,708 A	10-1997	Matthews et al.	345/684
D	US-2003/0001898 A1	01-2003	Bernhardson, Marcus	345/786
E	US-6,425,129 B1	07-2002	Sciammarella et al.	725/38
F	US-6,262,722 B1	07-2001	Allison et al.	725/39
G	US-			
H	US-			
I	US-			
J	US-			
K	US-			
L	US-			
M	US-			

FOREIGN PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
N					
O					
P					
Q					
R					
S					
T					

NON-PATENT DOCUMENTS

*	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Index of Claims



Application/Control No.

10/138,810

Examiner

Dennis G. Bonshock

Applicant(s)/Patent under Reexamination

BILLMAIER ET AL.

Art Unit

2173

√	Rejected
=	Allowed

-	(Through numeral) Cancelled
+	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

Claim		Date				
Final	Original	8/9/05				
1	√					
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APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
10/138,810	05/03/2002	James A. Billmaier	260042.501

CONFIRMATION NO. 4013

32611
SEED INTELLECTUAL PROPERTY LAW GROUP PLLC
701 FIFTH AVENUE, SUITE 6300
SEATTLE, WA 98104-7092



Date Mailed: 08/15/2005

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 08/01/2005.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).



 SOUTHCHAI VANNARATH
 PTOSS (703) 305-0677

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www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
10/138,810	05/03/2002	James A. Billmaier	50588/299

CONFIRMATION NO. 4013

32641
DIGEO, INC C/O STOEL RIVES LLP
201 SOUTH MAIN STREET, SUITE 1100
ONE UTAH CENTER
SALT LAKE CITY, UT 84111



Date Mailed: 08/15/2005

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 08/01/2005.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

.....


SOUTHCHAI VANNARATH
PTOSS (703) 305-0677

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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S7	1	("6690391").PN.	USPAT	OR	OFF	2005/01/04 10:38
S8	1	("6642939").PN.	USPAT	OR	OFF	2005/01/04 10:38
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S24	1	"5850218".PN.	USPAT; USOCR	OR	OFF	2005/01/05 09:18

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S47	1	("6642939").PN.	USPAT	OR	OFF	2005/06/01 09:18

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S60	17	725/39.ccls. and focus	USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/03 10:06
S61	19	725/39.ccls. and (focus focal)	USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/03 10:06
S62	18	(US-5812124-\$ or US-5850218-\$ or US-6005601-\$ or US-6028600-\$ or US-6037933-\$ or US-6151059-\$ or US-6175362-\$ or US-6281898-\$ or US-6418556-\$ or US-6563515-\$ or US-6577350-\$ or US-6642939-\$ or US-6678891-\$ or US-6690391-\$ or US-5673401-\$ or US-6281940-\$ or US-6425129-\$ or US-6262722-\$).did.	USPAT	OR	OFF	2005/06/06 16:32
S63	10	S62 and last	USPAT	OR	OFF	2005/06/06 16:33

S64	18	(US-5673401-\$ or US-5812124-\$ or US-5850218-\$ or US-6005601-\$ or US-6028600-\$ or US-6037933-\$ or US-6151059-\$ or US-6175362-\$ or US-6262722-\$ or US-6281898-\$ or US-6281940-\$ or US-6418556-\$ or US-6425129-\$ or US-6563515-\$ or US-6577350-\$ or US-6642939-\$ or US-6678891-\$ or US-6690391-\$).did.	USPAT	OR	OFF	2005/06/09 07:26
S65	1	S64 and test	USPAT	OR	OFF	2005/06/09 13:29
S66	0	("10270738").PN.	USPAT	OR	OFF	2005/06/09 13:29
S67	2	("10270738").PN.	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/06/09 13:29
S68	6	@ad<"20010829" and @pd>"20041126" and 715/721. ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/09 13:38
S69	1	@ad<"20010829" and @pd>"20041126" and 715/720. ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/09 13:38
S70	3	"6910191"	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/01 15:34
S71	1	"6678891".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:25
S72	1	"6597358".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:25
S73	1	"6594825".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:25
S74	1	"6538672".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:25
S75	1	"6483548".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:25
S76	1	"6412110".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:26
S77	1	"6243071".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:26
S78	1	"6175362".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:26
S79	1	"6128009".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:26
S80	1	"6100884".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:27
S81	1	"6034688".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:27


S82	1	"6016144".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:27
S83	1	"6008803".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:27
S84	1	"6005601".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:28
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S86	1	"5815155".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:28
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S88	1	"5751369".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:29
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S90	1	"5737029".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:29
S91	1	"5677708".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:29
S92	1	"5664128".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:32
S93	1	"5598527".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:32
S94	1	"5485175".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:32
S95	1	"5452414".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:32
S96	1	"5289573".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:33
S97	1	"5283560".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:33
S98	1	"5119079".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:33
S99	1	"5095965".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:33
S10 0	1	"5059965".PN.	USPAT; USOCR	OR	OFF	2005/08/01 15:33
S10 1	0	Segeberg.in. with thomas	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/01 15:36
S10 2	2	Segeberg.in. with tomas	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/01 15:56

S10 3	11	bernhardson.in.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/01 15:56
S10 4	1	("5838326").PN.	USPAT	OR	OFF	2005/08/02 09:48
S10 5	2	("20020033848").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/02 10:12
S10 6	2	("6538672").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/02 10:12
S10 7	22	(US-20020033848-\$).did. or (US-5673401-\$ or US-5812124-\$ or US-5850218-\$ or US-6005601-\$ or US-6028600-\$ or US-6037933-\$ or US-6151059-\$ or US-6175362-\$ or US-6262722-\$ or US-6281898-\$ or US-6281940-\$ or US-6418556-\$ or US-6425129-\$ or US-6563515-\$ or US-6577350-\$ or US-6642939-\$ or US-6678891-\$ or US-6690391-\$ or US-6910191-\$ or US-6538672-\$ or US-5677708-\$).did.	US-PGPUB; USPAT	OR	OFF	2005/08/02 10:13
S10 8	0	("L20andepisod").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/02 10:13
S10 9	4	S107 and episod\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/02 10:13
S11 0	22	(US-20020033848-\$).did. or (US-5673401-\$ or US-5812124-\$ or US-5850218-\$ or US-6005601-\$ or US-6028600-\$ or US-6037933-\$ or US-6151059-\$ or US-6175362-\$ or US-6262722-\$ or US-6281898-\$ or US-6281940-\$ or US-6418556-\$ or US-6425129-\$ or US-6563515-\$ or US-6577350-\$ or US-6642939-\$ or US-6678891-\$ or US-6690391-\$ or US-6910191-\$ or US-6538672-\$ or US-5677708-\$).did.	US-PGPUB; USPAT	OR	OFF	2005/08/02 15:18
S11 1	3	S110 and perpendicular	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/02 14:44
S11 2	0	("20030001898").PN.	USPAT	OR	OFF	2005/08/02 15:18

S11 3	2	("20030001898").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/02 15:18
S11 4	29	"5677708"	USPAT	OR	OFF	2005/08/02 15:59
S11 5	3	"6281940"	USPAT	OR	OFF	2005/08/02 16:00
S11 6	1	"6690391"	USPAT	OR	OFF	2005/08/02 16:00
S11 7	3	"6538672"	USPAT	OR	OFF	2005/08/02 16:01
S11 8	4	"6642939"	USPAT	OR	OFF	2005/08/02 16:02
S11 9	2	"20030093792"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/02 16:19
S12 0	4	((("6690391") or ("5850218")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/02 16:19
S12 1	1	@pd>"20050601" and 715/721. ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/03 07:56
S12 2	4	@pd>"20050601" and 715/719. ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/03 07:57
S12 3	6	@pd>"20050601" and 725/39. ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/03 07:57
S12 4	2	@pd>"20050601" and 725/41. ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/03 07:58
S12 5	2	@pd>"20050601" and 725/52. ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/03 07:58
S12 6	1	"5059965".PN.	USPAT; USOCR	OR	OFF	2005/08/03 07:59
S12 7	1	"6678891".PN.	USPAT; USOCR	OR	OFF	2005/08/03 07:59
S12 8	173	725/37.ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/04 07:16
S12 9	114	725/38.ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/04 07:16

S13 0	229	725/39.ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/04 07:16
S13 1	2	("6163345") or ("6188406")).PN.	USPAT	OR	OFF	2005/08/04 11:48

AUG 0 1 2005

CERTIFICATE OF TRANSMISSION BY FACSIMILE (37 CFR 1.8)			Docket No. 50588/299 (Digeo 419.15)
Applicant(s): James A. Billmaier et al.			
Application No. 10/138,810	Filing Date May 3, 2002	Examiner Dennis G. Bonshock	Group Art Unit 2173
Invention: SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE			
<p>I hereby certify that this _____ <u>See below:</u> _____ <i>(Identify type of correspondence)</i></p> <p>is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. <u>(571) 273-8300</u>)</p> <p>on <u>August 1, 2005</u> <i>(Date)</i></p> <p style="text-align: center;"><u>Kory D. Christensen</u> <i>(Typed or Printed Name of Person Signing Certificate)</i></p> <p style="text-align: center;"> <i>(Signature)</i></p> <p style="text-align: center;">Note: Each paper must have its own certificate of mailing.</p> <p>Transmittal: Revocation of Power of Attorney with New Power of Attorney and Change of Correspondence Address (1 pg.) Statement Under 37 CFR 3.73(b) (1 pg.)</p>			

P18/REV02

Digeo Ref. No. 419.15

Doc Code:

PTO/SB/02 (09-04)

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REVOCATION OF POWER OF ATTORNEY WITH NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS	Application Number	10/138,810
	Filing Date	May 3, 2002
	First Named Inventor	James A. Billmaier
	Art Unit	2173
	Examiner Name	Deans G. Bonshock
	Attorney Docket Number	50588/299

I hereby revoke all previous powers of attorney given in the above-identified application:

A Power of Attorney is submitted herewith.

OR

I hereby appoint the practitioners associated with the Customer Number:

Please change the correspondence address for the above-identified application to:

The address associated with Customer Number:

OR

<input type="checkbox"/> Firm or Individual Name				
Address				
City		State		ZIP
Country				
Telephone		Fax		

I am the:

Applicant/Inventor

Assignee of record of the entire interest. See 37 CFR 3.71
 Statement under 37CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Signature			
Name	Thomas A. Grina		
Date	6-17-05	Telephone	(425) 896-6236

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

*Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 9 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Digeo Ref. 419.15 EXPRESS MAIL NO.

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: James A. Billmaier et al.

Application No./Patent No.: 10/138,810 Filed/Issue Date: May 3, 2002

Digeo, Inc. a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- 1. the assignee of the entire right, title, and interest; or
- 2. an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Inventor(s) To: Digeo, Inc.

The document was recorded in the United States Patent and Trademark Office at Reel 013204, Frame 0014, or for which a copy thereof is attached

2. From: _____ To: _____

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Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

6-17-05
Date

Thomas A. Grina
Typed or printed name



Signature

Chief Financial Officer
Title

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CERTIFICATE OF TRANSMISSION BY FACSIMILE (37 CFR 1.8)			Docket No. 50588/299 (Digeo 419.15)
Applicant(s): James A. Billmaier et al.			
Application No. 10/138,810	Filing Date May 3, 2002	Examiner Dennis G. Bonshock	Group Art Unit 2173
Invention: SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE			
<p>I hereby certify that this _____ <u>See below:</u> <i>(Identify type of correspondence)</i></p> <p>is being facsimile transmitted to the United States Patent and Trademark Office (Fax No. <u>(571) 273-8300</u>)</p> <p>on <u>August 1, 2005</u> <i>(Date)</i></p> <p style="text-align: center;"><u>Kory D. Christensen</u> <i>(Typed or Printed Name of Person Signing Certificate)</i></p> <p style="text-align: center;"> <i>(Signature)</i></p>			
Note: Each paper must have its own certificate of mailing.			
Transmittal: Revocation of Power of Attorney with New Power of Attorney and Change of Correspondence Address (1 pg.) Statement Under 37 CFR 3.73(b) (1 pg.)			

F18/REV02

Digeo Ref. No. 419.15

Doc Code:

PTO/SB/82 (09-04)

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REVOCATION OF POWER OF ATTORNEY WITH NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS	Application Number	10/138,810
	Filing Date	May 3, 2002
	First Named Inventor	James A. Billmeyer
	Art Unit	2173
	Examiner Name	Dennis G. Bonshock
	Attorney Docket Number	50588/299

I hereby revoke all previous powers of attorney given in the above-identified application:

A Power of Attorney is submitted herewith.

OR

I hereby appoint the practitioners associated with the Customer Number:

Please change the correspondence address for the above-identified application to:

The address associated with Customer Number:

OR

<input type="checkbox"/> Firm or Individual Name			
Address			
City	State	ZIP	
Country			
Telephone	Fax		

I am the:

Applicant/Inventor

Assignee of record of the entire interest. See 37 CFR 3.71
Statement under 37CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Signature			
Name	Thomas A. Grina		
Date	6-17-05	Telephone	(425) 896-6236

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

*Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.38. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: James A. Billmaier et al.

Application No./Patent No.: 10/138,810 Filed/Issue Date: May 3, 2002

Digeo, Inc. a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- 1. the assignee of the entire right, title, and interest; or
- 2. an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

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Additional documents in the chain of title are listed on a supplemental sheet.

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[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

6-17-05
Date

Thomas A. Grina
Typed or printed name

[Signature]
Signature

Chief Financial Officer
Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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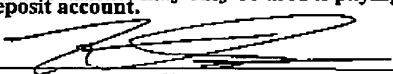
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COMMENTS:

Attached is a Supplemental Information Disclosure Statement and accompanying documents for Serial No. 10/138,810 filed May 3, 2002, entitled SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE.

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c))					Docket No. 50588/299	
In Re Application of: James A. Billmaier et al.						
Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.	
10/138,810	May 3, 2002	Dennis G. Bonshock	32641	2173	4013	
Title: SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE						
Payment of Fee (Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))						
<input type="checkbox"/> A check in the amount of _____ is attached. <input checked="" type="checkbox"/> The Director is hereby authorized to charge and credit Deposit Account No. 502375 as described below. <ul style="list-style-type: none"> <input type="checkbox"/> Charge the amount of _____ <input type="checkbox"/> Credit any overpayment. <input checked="" type="checkbox"/> Charge any additional fee required. <input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.						
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I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fa July <u>27</u> , 2005 (Date)  Signature Kory D. Christensen Typed or Printed Name of Person Signing Certificate				I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on _____ (Date) _____ Signature of Person Mailing Correspondence _____ Typed or Printed Name of Person Mailing Certificate		
*This certificate may only be used if paying by deposit account.  Signature				Dated: July <u>27</u> , 2005		
Kory D. Christensen Registration No. 43,548 STOEL RIVES LLP One Utah Center 201 South Main Street, Suite 1100 Salt Lake City, UT 84111 Phone: (801) 578-6993 Facsimile: (801) 578-6999						
cc: Client						

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

James A. Billmaier et al.

Confirmation No. 4013

Application No. 10/138,810

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For: **SYSTEM AND METHOD FOR
FOCUSED NAVIGATION WITHIN A
USER INTERFACE**

Group Art Unit: 2173

Examiner:

Date: July 27, 2005

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

TO THE COMMISSIONER FOR PATENTS:

- Pursuant to the duty of disclosure, documents listed on the accompanying Form PTO-1449 (or equivalent) are presented for the Examiner's consideration.
 - Copies of listed U.S. patents and U.S. patent application publications are not required for submission. (37 C.F.R. § 1.98(a)(2)(ii))
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 - Copies of the documents listed at (sheet/cite no.) _____ of the attached Form PTO-1449 (or equivalent) are omitted because (1) they are already of record in U.S. Patent Application No. _____, filed _____, on which this application relies for an earlier filing date under 35 U.S.C. § 120; and (2) any information disclosure statement filed in the prosecution of Application No. _____, complies with 37 CFR §§ 1.98(a) through (c). (37 C.F.R. § 1.98(d))
 - A copy of copending U.S. Patent Application No. 10/260,738, filed September 30, 2002, for FOCUSED NAVIGATION INTERFACE FOR A HOME MEDIA CENTER WITH MULTIPLE TELEVISION SUPPORT, listed at (sheet/cite no.) one of the attached Form PTO-1449 (or equivalent), is enclosed / is omitted. (Copy not required if available via IFW. 1287 OG 163 (Oct. 19, 2004).)

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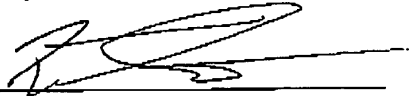
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Respectfully submitted,

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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	5,677,708	10/14/97	Matthews, III et al.	345	115	05/05/95
	A2	6,163,345	12/19/00	Noguchi et al.	348	564	01/04/95
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	A5	10/260,738		Billmaier et al.			09/30/02
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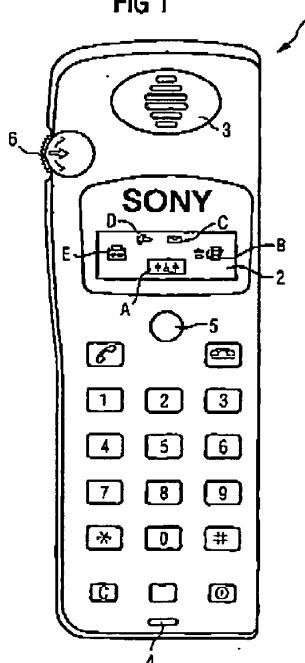
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(54) Terminal for wireless telecommunication and method for displaying icons on a display of such a terminal

(57) The present invention relates to a terminal (1) for wireless telecommunication and to a method for displaying icons on a display means (2) of the terminal (1) for wireless telecommunication. The terminal (1) for wireless telecommunication according to the present invention comprises display means (2) for displaying icons corresponding to menu items and other information, scroll means (6), for example a jog dial, for scrolling through icons and highlighting a respective selected icon, and an enter means (5) for entering a respective highlighted icon to chose the corresponding menu item. At least some of all available icons of the menu are displayed on the display means (2) at the same time and the scroll means (6) can be actuated to scroll through the icons in at least two directions so that the respective selected icon is highlighted depending on the actuation of the scroll means (6). The respective selected icon is displayed enlarged in relation to the other displayed icons, whereby the icons are displayed enlarged in their successive order in one of the at least two directions depending on the actuation of the scroll means (6). The present invention thereby enables the very clear and unambiguous display of icons even on small displays, for example on portable telephones.

FIG 1



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Description

[0001] The present invention relates to a terminal for wireless telecommunication and a method for displaying icons on a display means of such a terminal.

[0002] Terminals for wireless telecommunication are for example base stations or mobile stations of a telecommunication system. The mobile stations can be a portable telephone or some other portable electronic device comprising the possibility of sending and receiving information in a wireless telecommunication system.

[0003] The present invention relates particularly to terminals for wireless telecommunication, which comprise display means for displaying icons corresponding to menu items and other information. Icons are symbols or pictures used to visualize selectable menu items. If a menu has for example three submenus or three subfunctions to select, these submenus or subfunctions could be visualized by three different icons. Usually, the icons replace the corresponding text display of a term or an expression describing the respective menu item, so that the icons can be used independently from the chosen user language.

[0004] Many different portable telephones having displays for displaying icons are presently on the market. A portable telephone sold by Alcatel and named "One touch pocket" for example has a display means for displaying icons corresponding to menu items, scroll means for scrolling through icons and several enter means for entering a respective icon to choose the corresponding menu item. The scroll means is a key having arrows which indicate the two directions in which the icons can be scrolled through. The display thereby shows three icons adjacent to each other on a horizontal line. Scrolling upwardly and downwardly, the display shows the three respective succeeding icons. Under the display, three enter keys are located, which are respectively allocated to one of the shown three icons. In other words, the menu item corresponding to one of the displayed icons can be selected and entered by pressing the respective key allocated to the respective icon.

[0005] A portable telephone sold by SONY under the name "Z1 Plus" comprises a display means for displaying icons corresponding to menu items and other information, a scroll means for scrolling through icons and highlighting a respective selected icon, and an enter means for entering a respective highlighted icon to choose the corresponding menu icon, whereby at least some of all available icons of a menu are displayed on the display at the same time and whereby the scroll means can be actuated to scroll through the icons in two directions so that the respective selected icon is highlighted depending on the actuation of the scroll means. The scroll means is a rotational key (jog dial), which can be turned clockwise or counterclockwise to scroll through the displayed icons and to select one of them. In each menu, three icons are displayed at the same time adjacent to each other on a horizontal line on the

display. The selected one of the three displayed icons is highlighted by means of an inverted or negative display of the respective icon. The respective menu item of the highlighted icon can be entered by pressing an enter key. Only a single enter key needs to be provided. By turning the rotational key the three displayed icons are successively highlighted in the respective direction. In case that one of the icons on the left or the right side of display is highlighted and the rotational key is turned in the direction corresponding to the next successive icon, which is not displayed, the next succeeding three icons are displayed on the display. In other words, the icons are displayed blockwise on the display. By scrolling successively through the icons of the menu, the display shows the respective groups of three icons in succession, whereby the three displayed icons are highlighted and thus selected one after the other so that, when a new group of three icons is shown, the next successive highlighted icon is the one located on the opposite side of the preceding highlighted icon.

[0006] Although the last solution has the advantage that only one enter key is necessary compared to three as in the above-described Alcatel portable phone, it is not obvious in which direction the icons are going to be highlighted and the blockwise movement of the icons will take place, particularly when a rotational key (jog dial) is used. Especially since the displays on portable devices are usually small, usually not all available icons of a menu can be displayed on the display at the same time. Thus it is not obvious for a user, what the remaining non-displayed icons of the menu are and how to reach them. Further, the inversion of the icons is sometimes not a clear indication for a user, that this is the icon that can be selected, since the inversion of an icon often leads to a confusing or perturbing image.

[0007] The object of the present invention is therefore to provide a terminal for wireless telecommunication and a method for displaying icons on a display means of a terminal for wireless telecommunication, which provide for a clear and unambiguous way of highlighting a selected icon and allow at the same time a large number of icons of a menu to be displayed on the display means at the same time.

[0008] This object is achieved by a terminal for wireless telecommunication according to claim 1, which is characterized in that the respective selected icon is displayed enlarged in relation to the other displayed icons, whereby the icons are displayed enlarged in their successive order in one of the at least two directions depending on the actuation of the scroll means.

[0009] The above object is further achieved by a method for displaying icons on a display of a terminal for wireless telecommunication, which is characterized in that the respective selected icon is displayed enlarged in relation to the other displayed icons, whereby the icons are displayed enlarged in their successive order in one of the at least two directions depending on the actuation of the scroll means.

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[0010] According to the present invention, the respective selected icon is displayed enlarged, which means that the other displayed icons are displayed with a smaller size, so that more icons than in known devices can be displayed on the display at the same time. Further, the respective selected icon can thus be displayed in more detail, so that the user gets a clear and unambiguous information on the corresponding selected menu item. Since the not selected icons are displayed smaller, more and in most cases all available icons of a menu can be displayed on the display, so that the user always has an overlook over all possible options. By displaying the icons enlarged in their successive order in one of the at least two directions depending of the actuation of the scroll means, a clear and unambiguous allocation of the actuation direction of the scroll means and the order of the successive enlarged display of the selected icons can be assured.

[0011] Advantageously, the icons are displayed in a circular arrangement. The circular arrangement allows a clearly visible allocation of the actuation direction of the scroll means to the successive enlargement of the selected icons. This is particularly true when the scroll means is a rotatable key (jog dial). Also, the icons could be arranged in a matrix and scrolled through line by line.

[0012] Further advantageously, by actuating the scroll means, the displayed icons successively change their position so that the enlarged display of a selected icon is always located at the same position on the display means. This means, by actuating the scroll means, the displayed icons move through the predetermined positions, whereby always the icon on a particular predetermined position is enlarged. Thereby, the user does not need to look around the display to find the enlarged icon, but can always be sure to find the enlarged and thus selected icon on the same position of the display. Advantageously, the position of the enlarged display icon is thereby located on a central position of the area of the display, in which the icons are displayed. The central area of the display is always the first area, onto which a user looks, so that the selected icon can be found even more quickly. Alternatively, the icons could maintain their position and be enlarged one after the other by actuation of the scroll means.

[0013] It is further advantageous, when the preceding and the succeeding icon to the actually selected icon are displayed enlarged in relation to the other displayed icons but smaller than the actually selectable icon. This means, that the two icons adjacent to the enlarged icon have a size between the enlarged icon and the other displayed icons. Hereby the user gets a more detailed and clearer information about the next icon which is selectable. Particularly in connection with the circular arrangement of the icons, a three-dimensional effect can be achieved, when the enlarged icon is shown on the bottom, the small icons are shown on the top and the middle sized icons are shown on the left and on the right side of the display. Thus, the small icons on the top ap-

pear to be far away, the enlarged icon on the bottom appears to be the nearest and the mid-size icons on the left and on the right side appear to be located in a semi-distance. Particularly in case that the display is a graphical display with a high resolution, a very smooth and visually appealing rotation motion of the icons can be realized.

[0014] Advantageously, the scroll means is a jog dial which can be rotated to scroll through the icons. A jog dial is a rotatable key, which is easy to handle and which provides a clear and unambiguous allocation of the actuation direction of the jog dial to the moving direction of the icons on the display. Particularly in case of the circular arrangement of the icons, a clockwise rotation of the jog dial advantageously results in a clockwise movement of the icons, and a counterclockwise rotation of the jog dial results in a counterclockwise movement of the icons, so that the user knows exactly, in which direction to turn the jog dial to arrive at the icon he wishes to choose.

[0015] Further advantageously, a text display of the menu item of the respective selected icon on the display is shown close to the position of the selected icon. Hereby, additional information is provided for a user, in case he/she does not know the meaning of the icons very well and to enable a quicker understanding of the selected menu items.

[0016] The present invention is particularly advantageous for small terminals, for example portable telephones, which have small displays.

[0017] It is to be understood that also more than one icon can be selected and highlighted at the same time, whereby one enter key for each highlighted icon is advantageously provided. For example, three icons can be highlighted at the same time and three corresponding enter keys can be provided, which can be pressed to enter the corresponding menu item.

[0018] According to a further aspect of the present invention, a terminal for wireless telecommunication is provided, with a display means for displaying icons corresponding to menu items and other information, a scroll means for scrolling through icons and highlighting the respective selected icon, and an enter means for entering a respective highlighted icon to choose the corresponding menu item, whereby at least some of all available icons of a menu are displayed on the display at the same time and whereby the scroll means can be actuated to scroll through the icons in at least two directions so that the respective selected icon is highlighted depending on the actuation of the scroll means, characterized in that by actuating the scroll means the displayed icons successively change their position so that the enlarged display of a selected icon is always located at the same position on the display. This aspect of the present invention further comprises a corresponding method for displaying icons on a display of such a terminal for wireless telecommunication.

[0019] This further aspect of the present invention has

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an advantage in that the respective selected and highlighted icon is always located on the same position of the display, so that the user does not need to look for the highlighted icon on the display. Advantageously, the position of the highlighted icon is located on a central position of the area of the display in which the icons are displayed. This is particularly advantageous, since the users tend to look always to the center of a display first. Further advantageously, the icons are displayed in a circular arrangement. Thereby, the user can gain a quick and cleaner overlook over the icons available in a menu. Further, the scroll means can be a jog dial, which can be rotated to scroll through the icons. Particularly in connection with the circular arrangement of the icons, a clear and unambiguous allocation of the rotation direction of the jog dial to the rotation direction of the icons is ensured. Further, a text display of the menu item of the respective selected icon on the display closed to the position of the selected icon can be provided.

[0020] In the following description, the present invention is explained in more detail by means of a preferred embodiment relating to the enclosed drawings, in which

Figure 1 shows a schematic top view of an embodiment of a terminal for wireless telecommunication according to the present invention, namely a portable telephone,

Figure 2 shows an enlarged view of the display of the portable telephone shown in Figure 1 with a first example of displayed icons,

Figure 3 shows an enlarged view of the display of the portable telephone shown in Figure 1 with a second example of displayed icons,

Figure 4 shows an enlarged view of the display of the portable telephone shown in Figure 1 with a third example of displayed icons,

Figure 5 shows the display shown in Figure 2, whereby a text display of the enlarged menu icon is added,

Figure 6 shows the display of Figure 3, whereby a text display of the menu item of the enlarged icon is added, and

Figure 7 shows the display of Figure 4, whereby a text display of the menu item of the enlarged icon is added.

[0021] Figure 1 shows a schematic top view of a portable telephone 1 for wireless telecommunication according to the present invention. The portable telephone 1 comprises a display 2, on which icons corresponding to menu items and other information, such as text information, can be displayed. The portable telephone 1 further comprises a loudspeaker 3 on the upper front part and a microphone 4 on the lower front part of the casing. Further, an enter key 5 as enter means for entering a respective menu item or function is provided. The portable telephone 1 further comprises the usual number keys, the pound key, the power on/off key and so on.

The jog dial 6 is provided on an upper sidepart of the portable telephone 1. The jog dial 6 is a rotatable key, a part of which is exposed to the outside. The exposed part can be touched by the finger of a users hand and can be rotated clockwise (upwardly) or counterclockwise (downwardly) to scroll through menu items or functions displayed on the display 2.

[0022] The menu items or functions can be displayed as text display or as icons on the display 2. The text display is for example a term or an expression written in characters and explaining the meaning of the respective function or menu item. An icon is a graphical display of a symbol, which stands for the respective menu item or for the respective other function, of the respective device.

[0023] Preferably, the display 2 of the portable telephone 1 is a graphical display, which has a much higher resolution than usual text or character displays, and allows a visually attractive display of a smooth rotation movement of the icons.

[0024] The display 2 of the portable telephone 1 illustrated in Figure 1 shows five icons on five different positions A, B, C, D and E. Each displayed icon corresponds to the menu item of a menu. Since each icon visualizes the respective meaning of the menu item, the icons can be used independent of the selected user language of the telephone.

[0025] The icon on position A is enlarged compared to the other displayed icons. This means, that the icon on position A is selected and highlighted so that the respective menu item can be entered by pressing the enter key 5. All five shown icons are arranged in a circular arrangement on the display 2, whereby a three-dimensional effect is achieved by positioning the enlarged icon on position A which is the position on the bottom center of the display 2. The two icons located on positions C and D are the smallest icons displayed. Positions C and D are located on the top of the display 2. The icons located on positions B and E have a middle size between the small size of the icons at positions C and D and the enlarged size of the icon on position A. Positions B and E are approximately on a middle horizontal line of the display 2 on the right and left hand side of the display 2. Since the icon on position A is the biggest displayed icon, it appears to be "in front", whereby the icons on positions C and D appear to be "in back" of the display.

[0026] In Figure 2, the display 2 is shown in an enlarged view. The icons of the display in figure 2 are arranged in the same manner as in figure 1. The icon on position A corresponds to the menu item "control", the icon on position B corresponds to the menu item "redial list", the icon on position C corresponds to the menu item "messaging", the icon on position D corresponds to the menu item "divert" and the icon on position E corresponds to the menu item "preferences". Since the icon "control" is shown enlarged on position A, the menu item "control" is selected and can be entered by pressing the enter key 5 of the portable telephone 1.

[0027] Figure 3 shows a second example of the arrangement of the five icons shown in figure 2. In the display 2 shown in figure 3, the icon of the menu item "preferences" is shown enlarged on position A. Thus, by pressing the enter key 5 of the portable telephone 1, the menu item "preferences" can be entered. Comparing the display 2 of Figure 2 and the display 2 of Figure 3, it can be noted, that the icons are still arranged in the same successive circular order, but changed their places by one position. Starting from the arrangement of the icons shown in Figure 2, the circle of icon is turned in the counterclockwise direction by one position to arrive at the arrangement shown in Figure 3. This change of the icon position by one in the counterclockwise direction is achieved by turning the jog dial 6 of the portable telephone 1 shown in Figure 1 downwardly in the counterclockwise direction. Thus, the moving direction of the jog dial 6 results in a movement of the circularly arranged icons on the display 2 in the same direction. In case that a user starts from the arrangement of the icons shown in Figure 3 and wishes to position the icon "control" on position A, where it is enlarged and the corresponding menu item can be entered, he has to turn the jog dial 6 of the portable telephone 1 shown in Figure 1 in the clockwise direction, so that the icons also change their position by one in the clockwise direction.

[0028] If the user starts from the arrangement of the icons shown in Figure 3 and turns the jog dial 6 once in the counterclockwise direction, the icons change their position by one in the counterclockwise direction, so that an arrangement as shown in Figure 4 is achieved. In this arrangement, the icon for the menu item "divert" is displayed enlarged at position A and can be entered by pressing the enter key 5. If the user now wants to get from the arrangement shown in Figure 4 to the arrangement shown in Figure 2, he has to turn the jog dial 6 two times upwardly in the clockwise direction, so that the icons change their position twice clockwise.

[0029] The icon for the menu item "divert" is shown in three different sizes on the display 2 of Figure 2, Figure 3 and Figure 4, respectively. In Figure 2, the icon "divert" is shown on position D on the display 2, in Figure 3, the icon "divert" is shown on position E on the display 2, and in Figure 4, the icon "divert" is shown on position A of the display 2. On position D, the icon has a small size, on position E, the icon has a mid-size and on position A, the icon has the enlarged or biggest size. Comparing the Figures 2, 3 and 4, it can be seen, that on positions E and B, the icons show more details than on positions C and D, and the icons on position A consequently show more details than on positions B and E. Thus, the readability of a selected icon positioned on position A is much better than for the other icons. Further, since the respective successive or preceding icons on positions B and E are already displayed bigger than the icons shown on positions C and D, a user has a more detailed information on the next icons to be chosen.

[0030] In Figure 5, 6 and 7 the schematic views of the

displays 2 shown in Figure 2, 3 and 4, respectively, are again shown, whereby a respective text information on the enlarged icon on position A is added on a position F. Position F is located under position A on the display 2, so that a direct allocation of the icon with the text information on the respective menu item is ensured. The display 2 shown in Figure 5 displays the word "control" on position F, which corresponds to the menu item of the icon displayed on position A. On the display 2 shown in Figure 6, the word "preferences" is shown on position F, which corresponds to the menu item of the icon displayed on position A. On the display 2 shown in Figure 7, the word "divert" corresponding to the menu item of the icon shown in position A is displayed on position F.

Claims

1. Terminal (1) for wireless telecommunication, with
 - a display means (2) for displaying icons (A, B, C, D, E) corresponding to menu items and other information,
 - a scroll means (6) for scrolling through icons (A, B, C, D, E) and highlighting a respective selected icon (A), and
 - an enter means (5) for entering a respective highlighted icon (A) to choose the corresponding menu item,
 - whereby at least some of all available icons (A, B, C, D, E) of a menu are displayed on the display means (2) at the same time and
 - whereby the scroll means (6) can be actuated to scroll through the icons (A, B, C, D, E) in at least two directions so that the respective selected icon (A) is highlighted depending on the actuation of the scroll means (6),

characterized in,

 - that the respective selected icon (A) is displayed enlarged in relation to the other displayed icons (B, C, D, E), whereby the icons are displayed enlarged in their successive order in one of the at least two directions depending on the actuation of the scroll means (6).
2. Terminal (1) for wireless telecommunication according to claim 1,
 - characterized in,
 - that the icons (A, B, C, D, E) are displayed in a circular arrangement.
3. Terminal (1) for wireless telecommunication according to claim 1 or 2,
 - characterized in,
 - that by actualizing the scroll means (6) the displayed icons successively change their position so that the enlarged display of a selected icon (A) is always lo-

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cated at the same position on the display means (2).

4. Terminal (1) for wireless telecommunication according to claim 3, characterized in, that the position of the enlarged displayed icon (A) is located on a center position of the area of the display means (2) in which the icons (A, B, C, D, E) are displayed.

5. Terminal (1) for wireless telecommunication according to one of the claims 1 to 4, characterized in, that the preceding and the succeeding icon (B, E) to the actually selected icon (A) are displayed enlarged in relation to the other displayed icons (C, D) but smaller than the actually selected icon (A).

6. Terminal (1) for wireless telecommunication according to one of the claims 1 to 5, characterized in, that the scroll means (6) is a jog dial which can be rotated to scroll through the icons.

7. Terminal (1) for wireless telecommunication according to claim 6, characterized in, that the direction of the successive enlarged display of the selected icon (A) corresponds to the rotation direction of the jog dial.

8. Terminal (1) for wireless telecommunication according to one of the claims 1 to 7, characterized by a text display (F) of the menu item of the respective selected icon (A) on the display means (2) close to the position of the selected icon.

9. Method for displaying icons (A, B, C, D, E) on a display means (2) of a terminal (1) for wireless telecommunication, comprising the steps of

displaying icons (A, B, C, D, E) corresponding to menu items and other information on the display means (2), highlighting a respective selected icon (A), which can be entered to choose the corresponding menu item, whereby at least some of all available icons (A, B, C, D, E) of a menu are displayed on the display means (2) at the same time and whereby the icons (A, B, C, D, E) can be scrolled through in at least two directions by actuating a scroll means (6) so that the respective selected icon (A) is highlighted depending on the actuation of the scroll means (6),

characterized in,

that the respective selectable icon (A) is displayed enlarged in relation to the other displayed icons (B, C, D, E), whereby the icons are displayed enlarged in their successive order in one of the at least two directions depending on the actuation of the scroll means (6).

10. Method for displaying icons on a display means (2) of a terminal (1) for wireless telecommunication according to claim 9, characterized in, that the icons (A, B, C, D, E) are displayed in a circular arrangement.

11. Method for displaying icons on a display means (2) of a terminal (1) for wireless telecommunication according to claim 9 or 10, characterized in, that by actuating the scroll means (6) the displayed icons successively change their position so that the enlarged display of a selected icon (A) is always located at the same position on the display means (2).

12. Method for displaying icons on a display means (2) of a terminal (1) for wireless telecommunication according to claim 11, characterized in, that the position of the enlarged displayed icon (A) is located on a center position of the area of the display means (2) in which the icons (A, B, C, D, E) are displayed.

13. Method for displaying icons on a display means (2) of a terminal (1) for wireless telecommunication according to one of the claims 9 to 12, characterized in, that the preceding and the succeeding icon (B, E) to the actually selected icon (A) are displayed enlarged in relation to the other displayed icons (C, D) but smaller than the actually selected icon (A).

14. Method for displaying icons on a display means (2) of a terminal (1) for wireless telecommunication according to one of the claims 9 to 13, characterized in, that the scroll means (6) is a jog dial which can be rotated to scroll through the icons (A, B, C, D, E).

15. Method for displaying icons on a display means (2) of a terminal (1) for wireless telecommunication according to claim 14, characterized in, that the direction of the successive enlarged display of the selected icon (A) corresponds to the rotation direction of the jog dial.

16. Method for displaying icons on a display means (2) of a terminal (1) for wireless telecommunication ac-

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ording to one of the claims 9 to 15,
characterized in,
that a text display (F) of the menu item of the re-
spective selected icon (A) close to the position of
the selected icon is displayed.

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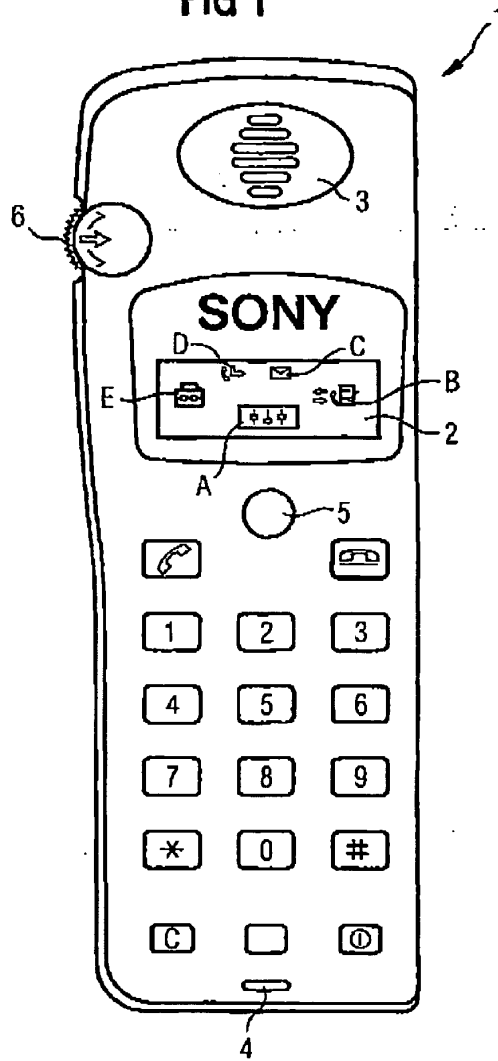
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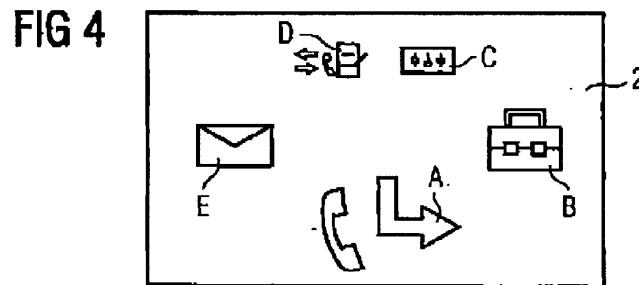
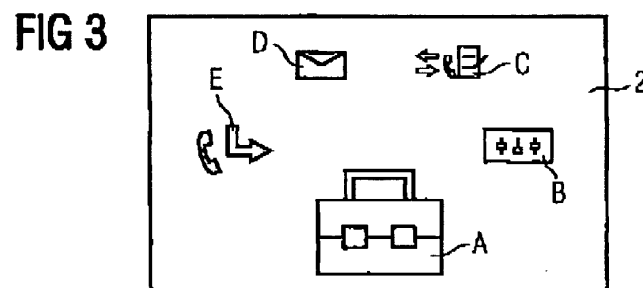
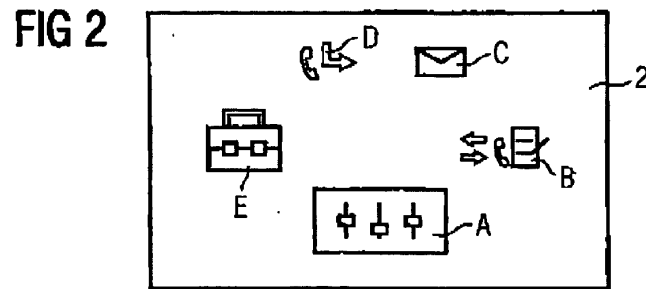
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FIG 1



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FIG 5

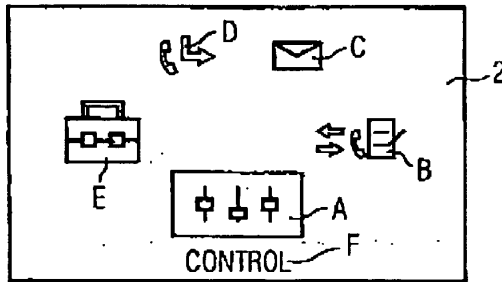


FIG 6

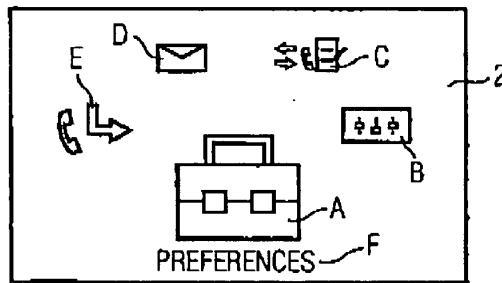
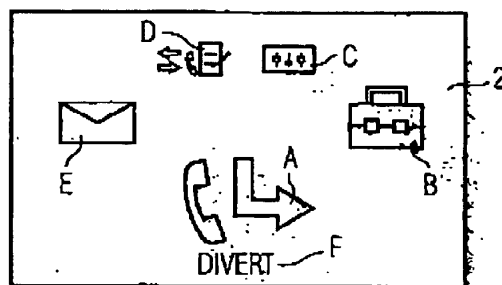


FIG 7



EP 1 028 570 A1



European Patent Office

EUROPEAN SEARCH REPORT

Application Number
EP 99 10 2617

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.8)
Y	WO 98 30004 A (ERICSSON GE MOBILE INC) 9 July 1998 * page 2, line 30 - page 3, line 15 * * page 7, line 1 - page 8, line 14; figures 2-4 *	1,8,9,16	H04M/00 606F3/033
Y	US 5 742 779 A (LEIFER LARRY J ET AL) 21 April 1998 + column 4, line 15-20; figure 1 *	1,8,9,16	
A	EP 0 727 730 A (IBM) 21 August 1996 * column 5, line 40 - column 6, line 3 * * column 6, line 37-54; figures 1-4 *	1,9	
A	EP 0 792 056 A (SONY CORP) 27 August 1997 * column 5, line 21-44; figure 1 *	6,14	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.8)
			H04M 606F
Place of search		Date of completion of the search	Examiner
THE HAGUE		14 June 1999	de Biolley, L
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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 99 10 2617

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

14-06-1999

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9830004 A	09-07-1998	AU 5727298 A	31-07-1998
US 5742779 A	21-04-1998	NONE	
EP 0727730 A	21-08-1996	US 5565888 A	15-10-1996
		JP 8263248 A	11-10-1996
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		CN 1167390 A	10-12-1997
		US 5856827 A	05-01-1999

EPOFORM P/1988

For more details about this annex : see Official Journal of the European Patent Office, No. 12/92



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/138,810	05/03/2002	James A. Billmaier	260042.501	4013

32641 7590 05/25/2005
DIGEO, INC C/O STOEL RIVES LLP
201 SOUTH MAIN STREET, SUITE 1100
ONE UTAH CENTER
SALT LAKE CITY, UT 84111

EXAMINER

BONSHOCK, DENNIS G

ART UNIT PAPER NUMBER

2173

DATE MAILED: 05/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

4

Interview Summary	Application No. 10/138,810	Applicant(s) BILLMAIER ET AL.	
	Examiner Dennis G. Bonshock	Art Unit 2173	

All participants (applicant, applicant's representative, PTO personnel):

- (1) Dennis G. Bonshock. (3) Cory Christensen.
(2) Raymond Bayerl. (4) _____

Date of Interview: 09 May 2005.

Type: a) Telephonic b) Video Conference
c) Personal [copy given to: 1) applicant 2) applicant's representative]

Exhibit shown or demonstration conducted: d) Yes e) No.
If Yes, brief description: _____

Claim(s) discussed: 1, 8, 9, 10, and 11.

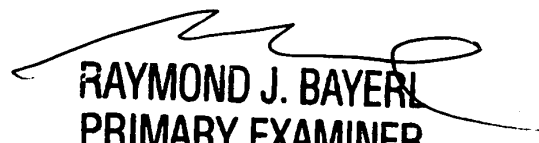
Identification of prior art discussed: Proehl et al.

Agreement with respect to the claims f) was reached. g) was not reached. h) N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: See Continuation Sheet.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.


RAYMOND J. BAYERL
PRIMARY EXAMINER
ART UNIT 2173

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

Examiner's signature, if required

A

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: During the interview Mr. Christensen pointed out the importance of the fixed focal region in which the user uses to navigate between different functions. It was agreed that this could be further pointed out in the claims to differentiate them from the prior art. Mr. Christensen further pointed out that the movement from one set of visual cards to another set of visual cards is in response to a single user command. The office believes that this function needs to be further pointed out in the claims.

MAY 25 2005

CERTIFICATE OF FILING BY FACSIMILE TRANSMISSION

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, Fax No. (703) 872-9306, on May 25, 2005.


Kory D. Christensen

Docket No. 50588/299 (formerly 260042.501)
Digeo Ref. 419.15

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

James A. Billmaler et al.

Confirmation No. 4013

Application No. 10/138,810

Filed: May 3, 2002

For: **SYSTEM AND METHOD FOR
FOCUSED NAVIGATION WITHIN A
USER INTERFACE**

Group Art Unit: 2173

Examiner: Dennis G. Bonshock

Date: May 25, 2005

AMENDMENT

TO THE COMMISSIONER FOR PATENTS:

In response to the Office Action mailed January 25, 2005, please amend the above-identified patent application as follows.

Amendments to the Claims are reflected in the listing of claims that begins on page 2 of this paper.

Remarks begin on page 15 of this paper.

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Listing of Claims:

1. (currently amended) A method for navigation of a plurality of options television program listings within a user interface, the method comprising:

scrolling successively displaying a first sequence [[set]] of visual cards through a spatially-fixed focus in a first area along a first axis of the user interface, each visual card of the first set of visual cards representing a corresponding broadcast time slot associated with a graphically represented first card characteristic; [[and]]

enabling selection by a user of a particular visual card of the first sequence [[set]] of visual cards within the focus area by a user in order to select the option view a television program corresponding to the time slot represented by the selected visual card; and

scrolling a second sequence of visual cards through the focus area along a second axis of the user interface, wherein the first axis is perpendicular to the second axis.

2. (currently amended) The method of claim 1, further comprising storing the first sequence [[set]] of visual cards.

3. (currently amended) The method of claim 1, further comprising pausing discontinuing the scrolling successive display of the first sequence [[set]] of visual cards in response to a user command.

4. (currently amended) The method of claim 1, wherein the visual cards of the second sequence graphically represent card characteristic ~~comprises a broadcast television channels.~~

5. (currently amended) The method of claim 1, wherein the visual cards of the second sequence graphically represent card characteristic ~~comprises a broadcast television networks.~~

6. (currently amended) The method of claim 1, wherein the visual cards of the second sequence graphically represent card characteristic ~~comprises the television programs.~~

7. (currently amended) The method of claim 1, wherein the visual cards of the first sequence graphically represent different types of media ~~each broadcast time slot is 30 minutes in length.~~

8. (currently amended) The method of claim 1, wherein the scrolling successive display of visual cards is in response to a single user action.

9. (original) The method of claim 8, wherein selection of a particular visual card is in response to an additional user action.

10 (original) The method of claim 1, wherein selection of a particular visual card is in response to a single user action.

11. (currently amended) The method of claim 1, wherein the visual cards from the second sequence respectively represent television programming sources in a particular broadcast time slot, the method further comprising replacing

~~the successively displaying a second sequence~~ [[set]] of visual cards ~~with a third sequence of visual cards in response to a single user command in a second area of the user interface, each visual card of the third sequence~~ ~~second set of visual cards representing the television programming sources in a later a corresponding broadcast time slot associated with a graphically represented second card characteristic.~~

Claims 12-15 (canceled).

16. (currently amended) The method of claim 1 [[1]], wherein the ~~visual cards of the first sequence represent second card characteristic comprises a broadcast television channels, and wherein the visual cards of the second sequence broadcast represent time slots.~~

17. (currently amended) The method of claim 1 [[1]], wherein the ~~visual cards of the first sequence represent second card characteristic comprises a broadcast television networks, and wherein the visual cards of the second sequence broadcast represent time slots.~~

18. (currently amended) The method of claim 1 [[1]], wherein the ~~visual cards of the first sequence represent second card characteristic comprises a television programs, and wherein the visual cards of the second sequence represent broadcast time slots.~~

Claims 19-21 (canceled).

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22. (currently amended) A system for focused navigation of a plurality of options television programs within a user interface, the system comprising:
a user input detector configured to detect actions of a user; and
a processor configured to scroll successively display a first sequence ~~[[set]]~~ of visual cards through a spatially-fixed focus in a first area along a first axis of the user interface, ~~each visual card of the first set of visual cards representing a corresponding broadcast time slot associated with a graphically represented first card characteristic, the processor further configured to enable selection by a user of a particular visual card of the first sequence~~ ~~[[set]]~~ of visual cards ~~by the user in order to view a television program corresponding to the time slot represented by the selected visual card, the processor further configured to scroll a second sequence of visual cards through the focus area along a second axis of the user interface, wherein the first axis is perpendicular to the second axis.~~

23. (original) The system of claim 22, further comprising a storage device configured to store the visual cards.

24. (currently amended) The system of claim 22, wherein the processor is further configured to pause ~~discontinue~~ the scrolling ~~successive display~~ of the first sequence ~~[[set]]~~ of visual cards.

25. (currently amended) The system of claim 22, wherein the visual cards of the second sequence graphically represent card characteristic ~~comprises a broadcast television channels.~~

26. (currently amended) The system of claim 22, wherein the visual cards of the second sequence graphically represent card-characteristic comprises a broadcast television networks.

27. (currently amended) The system of claim 22, wherein the visual cards of the second sequence graphically represent card-characteristic comprises the television programs.

28. (currently amended) The system of claim 22, wherein the visual cards of the first sequence graphically represent different types of media each broadcast time slot is 30 minutes in length.

29. (currently amended) The system of claim 22, wherein the processor scrolls successively displays the visual cards in response to a single user action.

30. (original) The system of claim 29, wherein selection of a particular visual card is in response to an additional user action.

31. (original) The system of claim 22, wherein selection of a particular visual card is in response to a single user action.

32. (currently amended) The system of claim 22, wherein the visual cards from the second sequence respectively represent television programming sources in a particular broadcast time slot, and wherein the processor is further configured to replace the successively display a second sequence [[set]] of visual cards with a third sequence of visual cards in response to a single user command in

~~a second area of the user interface, each visual card of the third sequence second set of visual cards representing the television programming sources in a later a corresponding broadcast time slot associated with a graphically represented second card characteristic.~~

Claims 33-36 (canceled).

37. (currently amended) The method of claim 22[[32]], wherein the visual cards of the first sequence represent second card characteristic comprises a broadcast television channels, and wherein the visual cards of the second sequence represent time slots.

38. (currently amended) The method of claim 22[[32]], wherein the visual cards of the first sequence represent second card characteristic comprises a broadcast television networks, and wherein the visual cards of the second sequence represent time slots.

39. (currently amended) The method of claim 22[[32]], wherein the visual cards of the first sequence represent second card characteristic comprises a television programs, and wherein the visual cards of the second sequence represent time slots.

Claims 40-42 (canceled).

43. (currently amended) A method for navigation of a plurality of options television program listings within a user interface, the method comprising:

horizontally scrolling successively displaying a first sequence [[set]] of visual cards through a spatially-fixed focus in a first area of the user interface, each at least one visual card of the first sequence [[set]] of visual cards representing a category of options an interactive television channel;

enabling selection by a user of a particular visual card of the first sequence of visual cards within the focus area corresponding to a selected category;

vertically scrolling successively displaying a second sequence [[set]] of visual cards through the focus in the first area of the user interface, each visual card of the second sequence [[set]] of visual cards representing a selectable option from the selected category, wherein transitioning from enabling selection by a user of a particular visual card to scrolling the second set of options requires no more than a single user command corresponding broadcast time slot associated with a graphically represented first card characteristic; and

enabling selection of a particular visual card of the second sequence [[set]] of visual cards by a user in order to view a television program corresponding to the time slot represented by the selected visual card.

44. (currently amended) The method of claim 43, wherein the user enables the vertical scrolling successive display of the second sequence [[set]] of visual cards by selecting a particular visual card of the first sequence [[set]] of visual cards.

45. (currently amended) The method of claim 43, wherein the visual cards of the second sequence graphically represent ~~card characteristic comprises a~~ broadcast television channels.

46. (currently amended) The method of claim 43, wherein the visual cards of the second sequence graphically represent ~~card characteristic comprises a~~ broadcast television networks.

47. (currently amended) The method of claim 43, wherein the visual cards of the second sequence graphically represent ~~card characteristic comprises the~~ television programs.

48. (currently amended) An article of manufacture comprising:
a carrier signal adapted to carry data, the data functionally related to the carrier signal such that a first sequence [[set]] of visual cards is scrolled through a spatially-fixed focus area along a first axis successively displayed in a first area of a user interface, each visual card of the first set of visual cards representing a corresponding broadcast time slot associated with a graphically represented first card characteristic, the data further functionally related to the carrier signal such that selection by the user of a particular visual card of the first sequence [[set]] of visual cards results in scrolling of a second sequence of visual cards through the focus area along a second axis of the user interface, wherein the first axis is perpendicular to the second axis by a user is enabled in order to view a television program corresponding to the time slot represented by the selected visual card.

49. (currently amended) The article of manufacture of claim 48, wherein the visual cards of the first sequence graphically represent at least one of first card characteristic is one of a broadcast television channels, [[a]] broadcast television networks, [[or the]] and television programs.

50. (currently amended) A system for focused navigation of a plurality of options television programs within a user interface, the system comprising:

means for scrolling successively displaying a first sequence [[set]] of visual cards through a spatially-fixed focus in a first area along a first axis of the user interface, each visual card of the first set of visual cards representing a corresponding broadcast time slot associated with a graphically represented first card characteristic; [[and]]

means for enabling selection by a user of a particular visual card of the first sequence [[set]] of visual cards within the focus area by a user in order to view a television program corresponding to the time slot represented by the selected visual card; and

means for scrolling a second sequence of visual cards through the focus area along a second axis of the user interface, wherein the first axis is perpendicular to the second axis.

51. (currently amended) The system of claim 50, wherein the visual cards of the first sequence graphically represent at least one of first card characteristic is one of a broadcast television channels, [[a]] broadcast television networks, [[or the]] and television programs.

52. (new) The method of claim 1, wherein the first axis is a horizontal axis and the second axis is a vertical axis.

53. (new) The method of claim 1, wherein the first axis is a vertical axis and the second axis is a horizontal axis.

54. (new) The method of claim 1, further comprising determining the second set of visual cards based on the user-selected visual card from the first sequence.

55. (new) The method of claim 3, wherein transitioning from pausing the scrolling of the first sequence to scrolling the second sequence is in response to a single user action.

56. (new) The method of claim 1, wherein the first and second sequences intersect to form quadrants within the user interface, the method further comprising displaying supplemental information related to the visual card within the focus area in at least one of the quadrants formed by the intersecting sequences.

57. (new) The method of claim 1, wherein each visual card includes a picture for graphically representing a television program or television programming source.

58. (new) The method of claim 57, wherein at least one picture comprises a captured video frame.

59. (new) The method of claim 57, wherein at least one picture comprises an animation.

60. (new) The method of claim 1, wherein the visual cards from the second set represent broadcast time slots, the method further comprising replacing the second set of visual cards with a third set of visual cards in response to a single user command, each visual card of the third set of visual cards representing an earlier broadcast time slot.

61. (new) The method of claim 1, wherein the visual cards of the first sequence represent selectable categories of options and wherein the visual cards of the second sequence represent options from a selected category.

62. (new) The method of claim 1, further comprising accelerating the scrolling of the first sequence of visual cards based on how long a remote control button is held down by a user.

63. (new) The system of claim 22, wherein the first axis is a horizontal axis and the second axis is a vertical axis.

64. (new) The system of claim 22, wherein the first axis is a vertical axis and the second axis is a horizontal axis.

65. (new) The system of claim 22, wherein the processor is further configured to determine the second set of visual cards based on the user-selected visual card from the first sequence.

66. (new) The system of claim 24, wherein transitioning from pausing the scrolling of the first sequence to scrolling the second sequence is accomplished in response to a single user action.

67. (new) The system of claim 22, wherein the first and second sequences intersect to form quadrants within the user interface, and wherein the processor is further configured to display supplemental information related to the visual card within the focus area in at least one of the quadrants formed by the intersecting sequences.

68. (new) The system of claim 22, wherein each visual card includes a picture for graphically representing a television program or television programming source.

69. (new) The system of claim 68, wherein at least one picture comprises a captured video frame.

70. (new) The system of claim 68, wherein at least one picture comprises an animation.

71. (new) The system of claim 22, wherein the visual cards from the second set represent broadcast time slots, and wherein the processor is further configured to replace the second set of visual cards with a third set of visual cards in response to a single user command, each visual card of the third set of visual cards representing an earlier broadcast time slot.

72. (new) The system of claim 22, wherein the processor is further configured to accelerate the scrolling of the first sequence of visual cards based on how long a remote control button is held down by a user.

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RemarksStatus of Claims

Claims 1-51 are pending in the application. All claims stand rejected. By this paper, claims 1-8, 11, 16-18, 22, 24-29, 32, 37-39, and 43-51 have been amended. Claims 12-15, 19-21, 33-36, and 40-42 have been canceled. New claims 52-72 have been added to provide claim coverage commensurate with the scope of the invention. Reconsideration of all pending claims herein is respectfully requested.

Interview

The applicants wish to thank the Examiner for the courtesy of the interview on May 9, 2005. The claims have been amended in accordance with the discussion in the interview. In particular, the claims have been amended to recite a "spatially-fixed" focus area, which distinguishes the movable focus area of Proehl.

Double Patenting

Claims 1-18, 20-39, 41-48, and 50 were provisionally rejected under the judicially-created doctrine of obviousness-type double patenting as being unpatentable over various claims of copending Application Nos. 10/138,803, 10/138,804, and 10/138,805. Enclosed herewith are terminal disclaimers to obviate the double-patenting rejections.

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Claim Rejections

Claims 1-10, 19, 20, 22-31, 40, 41, and 43-51 were rejected under 35 U.S.C. 102(e) as being anticipated by Proehl et al. ("Proehl"). Claims 11-18, 21, 32-39, and 42 were rejected under 35 U.S.C. 103(a) as being unpatentable over Proehl and LaJole et al. ("LaJole").

Proehl Does Not Teach Navigable Sequences of Visual Cards Scrolled Along Perpendicular Axes Through the Same Spatially-Fixed Focus Area

As amended, claim 1 recites a method for navigation of a plurality of options within a user interface, comprising:

scrolling a first sequence of visual cards through a *spatially-fixed* focus area along a *first axis* of the user interface;

enabling selection by a user of a particular visual card of the first sequence of visual cards within the focus area; and

scrolling a second sequence of visual cards through *the focus area* along a *second axis* of the user interface, wherein the first axis is *perpendicular* to the second axis.

By contrast, Proehl discloses a plurality of "vertically navigable fields." Col. 9, line 42-66. As such, Proehl's fields are parallel, not *perpendicular*, as claimed. Thus, Proehl actually teaches away from the claimed perpendicular sequences.

Furthermore, Proehl does not disclose a "spatially-fixed" focus area, as claimed. In order for the user to switch from navigating one vertical field (e.g., Channel Number Field 234) to another vertical field (e.g., Program Time Field 242), the user must "laterally manipulate[] the scroll cylinder to place the cursor over [the new field]." Col. 9, line 55. The applicants assume that the Examiner is equating the location of the cursor with the claimed "focus area." However, because Proehl's

cursor laterally moves in response to the scroll cylinder, it is not *spatially-fixed* within the user interface, as claimed. Each vertical sequence of elements in Proehl is moved through a different "focus area," which is antithetical to the claimed "focused" navigation.

Indeed, by teaching a movable focus area, Proehl actually *teaches away* from the claimed spatially-fixed focus area. Claims 20, 50, and 51 have been amended to include similar limitations and are likewise believed to be patentably distinct.

In developing their user interface, the applicants rejected having parallel sequences because it slows down navigation. The lateral manipulation of Proehl's cursor via the scroll cylinder introduces another step to navigation, which is not required in the claimed invention.

While Proehl's FIG. 9 illustrates a horizontal "status" bar 230 that intersects the vertical Channel Number Field 234, the elements of the status bar 230 are not horizontally scrollable. The fields 238, 240, 242 within the status bar 230 are single elements taken from different vertically navigable fields, e.g., "HBO," "Titanic," "7:00-7:30 PM." There is no teaching or suggestion of horizontally scrolling (moving) these elements along the horizontal axis.

Claims 22, 48, and 50 have been amended to include similar limitations and are likewise believed to be patentably distinct over Proehl for at least the same reasons.

Proehl Does Not Disclose *Horizontal* and Vertical Scrolling of Sequences of Visual Cards Through a Focus Area

Amended claim 43 recites horizontally scrolling the first sequence, while vertically scrolling the second sequence. As explained above, Proehl teaches parallel, vertically navigable sequences. The elements of the horizontal "status" bar 230 are not horizontally scrollable. The positions of the fields

Proehl Does Not Teach *Replacing* the Second Sequence With a Third Sequence of Cards Representing Television Programs in a Later Time Slot in Response to a Single User Command

As amended, claims 11, 32, 61, and 72 variously recite replacing the second sequence of cards with a third sequence of cards representing television programs in a later (or earlier) time slot in response to a single user command. While it is true that Proehl's has a vertically navigable Television Program Title Field 240, there is no way for a user, while navigating that field, to display a list of television programs at a later time slot with a single user command. The user would need to (1) laterally navigate to the separate Program Time Field 242, (2) vertically navigate to a new time slot, and then (3) laterally navigate back to the Television Program Title Field 240 in order to see the listing of television programs in the new time slot.

By contrast, as shown in FIG. 7A of the present application, visual cards may represent both television programs and time slots, allowing a user, while viewing a sequence of cards representing television programs in the 7:00-7:30 time slot (e.g., "NBA Basketball," "King of Queens," "Ally McBeal,"), to initiate a command to switch to a later time slot (e.g., 7:30-8:00). In response, the original sequence is replaced

by television programs in the new time slot (e.g., "Frasier," "CSI," and "Boston Public"). Proehl has no teaching that is remotely similar to this "time surfing" feature.

Proehl Does Not Teach Transitioning Between Navigation of First and Second Sequences Requiring No More Than a Single User Command

As amended, claim 43 recites:

horizontally scrolling a first sequence of visual cards through a spatially-fixed focus area of the user interface, each visual card of the first sequence of visual cards representing a category of options;

enabling selection by a user of a particular visual card of the first sequence of visual cards within the focus area corresponding to a selected category;

vertically scrolling a second sequence of visual cards through the focus area of the user interface, each visual card of the second sequence of visual cards representing a selectable option from the selected category, *wherein transitioning from enabling selection by a user of a particular visual card to scrolling the second set of options requires no more than a single user command.*

Support for these limitations is found, for example, in page 19 of the present application, which states that:

the second sequence 300b may be displayed horizontally, perpendicular to the first sequence 300a, such that the sequences 300a-b intersect at (and define) the focus area 302.

* * *

In the depicted embodiment, the "Up" and "Down" buttons 116, 118 may be used to shift or cycle the vertically-displayed sequence 300a within the GUI 110 in order to bring one of the corresponding cards 200a-e into the focus area 302. Likewise, the "Left" and "Right" buttons 120, 122 may be used to shift or cycle the horizontally-displayed sequence 300b to bring one of the corresponding cards 200g-k into the focus area 302.

As shown in FIG. 9 of the present application, the perpendicular arrangement of the sequences allows the up/down buttons to be immediately available to navigate

the vertical sequence at any time following navigation of the horizontal sequence by the left/right buttons. Thus, it is inherent that the transition from enabling a selection of a card from the first sequence (*i.e.*, stopping on a particular visual card) to successively displaying the second sequence *requires no more than a single user action*. Indeed, there is no way to transition between horizontal and vertical navigation but by a single user action.

By contrast, Proehl's vertically navigable fields are parallel. Accordingly, in order to transition from navigating (scrolling) through items of a first field to navigating through items of a second field would necessitate more than a single user action: Proehl explains that when a user desires to switch from one vertically navigable field to another, the user must "laterally manipulate[] the scroll cylinder to place the cursor over [a new field]." Col. 9, line 55. Only then can the user begin to vertically scroll through items in the new field by activating a vertical navigation control. This lateral manipulation introduces at least one additional step that is not required in the claimed invention.

New claims 55 and 66 include similar limitations and are likewise believed to be patentably distinct over Proehl for at least the same reasons.

Proehl Does Not Teach Determination of Second Sequence Based on Selected Visual Card from First Sequence

New claim 53 recites determining the second set of visual cards based on the user-selected visual card from the first sequence. The items within Proehl's vertically navigable fields are not only parallel, they are independent from one another. Furthermore, only one vertically navigable field is displayed at any given time. For

example, in FIG. 9, only the Channel Number Items 236 are being vertically displayed, whereas, in FIG. 11, only the Channel Name Items 244 are being shown. Selection by a user of an item from the Channel Number Items 236 does not result in a selection of the items being shown in another, simultaneously displayed sequence. As noted above, the horizontal status bar 230 is not a scrollable sequence, but, rather, shows a single entry in each of a plurality of vertically navigable fields.

Proehl Does Not Disclose Quadrants Formed By Intersecting Sequences Being Used to Display Supplemental Information

New claims 56 and 67 recite that the first and second sequences intersect to form quadrants within the user interface, and that supplemental information related to the visual card within the focus area is displayed within at least one of the quadrants formed by the intersecting sequences.

As argued above, Proehl does not disclose intersecting, perpendicular sequences of visual cards. Proehl's status bar 230 is not a scrolling sequence as claimed. Thus, Proehl does not disclose the creation of the claimed quadrants from intersecting sequences.

Furthermore, even if Proehl disclosed quadrants, the quadrants are not used to display supplemental information relating to the visual card within the focus area, as claimed. For example, FIG. 10 of the present invention shows, within quadrant 1000a, additional details relating to the television program represented by the visual card within the focus area 302. No such teaching or suggestion is provided by Proehl.

Proehl Does Not Disclose Each Visual Card Including a Picture for Graphically Representing a Television Program or Television Programming Source

New claims 57 and 68 recite that each visual card includes a picture for graphically representing a television program or television programming source (e.g., channel, network). Furthermore, claims 58-59 and 69-70 recite specific types of pictures, including captured video frames and animations. Because of the way in which the human brain stores information, pictures can be more quickly perceived than text when scrolled at high speeds through a focus area.

Proehl, however, only teaches the scrolling of text representations of television programming sources, e.g., "ESPN," "FOX," "MTV." Indeed, because Proehl uses icons to represent categories of media, but specifically fails to disclose graphical representations of television programs or programming sources, Proehl actually teaches away from the claimed invention.

Even if Proehl could somehow be construed to teach or suggest pictures representing television programming sources, Proehl does not disclose the specifically recited types of pictures. For example, Proehl does not disclose captured video frames (e.g., captured from television programs). Such a feature is advantageous in providing a user a preview of what is being shown on a particular television channel. As noted above, pictures communicate more quickly than text. This is particularly advantageous when scrolling the visual cards at high speed. FIGs. 4 and 5 of the present application show visual cards including captured video frames, which are immediately recognizable by the user as actors in a particular sitcom. The captured video frames may not only convey the name of the show, but also the particular episode, what actors and guest actors will be involved, etc. While

similar information could be conveyed with text, an average user could not read the text on a scrolling visual card moving through a focus area at a rate of 5-7 cards per second.

Similarly, Proehl does not disclose or even suggest visual cards including animations. Even if Proehl could somehow be construed to suggest static pictures, there is no teaching or suggestion in Proehl of animations.

Proehl Does Not Teach Increasing Display Rate Based on How Long Button is Held

New claims 62 and 73 recite that the rate of scrolling the visual cards is increased based on how long the button is held. While it is true that Proehl discloses a spring-loaded jog shuttle to provide different scrolling speeds, anyone who has used a jog shuttle on a VCR remote control knows that the speed of fast forwarding or rewinding is dependent on how far the jog shuttle is moved (rotated) from its neutral position, not the amount of time it is moved from its neutral position. There is simply no teaching or suggestion in Proehl for time being a factor in the acceleration of display rate. This limitation cannot simply be inferred from the teaching of a particular type of control (jog shuttle). Indeed, in the applicant's disclosure, the control is a button, yet the effect of holding down the button is to accelerate the presentation of the graphical representations based on the amount of time the button is depressed.

LaJoie Does Not Cure the Deficiencies of Proehl

The addition of LaJoie does not cure the aforementioned deficiencies of Proehl. LaJoie merely discloses a standard EPG grid. An EPG grid is antithetical to the focused navigation concept, and the applicants specifically rejected it in the creation of their user interface. For example, standard EPG grids of the type shown in LaJoie's FIG. 16 lack a spatially-fixed area within the display, or "focus" area, through which visual cards are scrolled. They also lack the clear sequences of visual cards that may be used to provide context for the visual card in the focus area. EPG grids are simply too "busy," conveying too much information for the user to process at a glance. Thus, users are required to scan the entire user interface with their eyes, which is precisely the problem that the applicants were trying to avoid, as described in the applicants' Background of the Invention.

Like Proehl, LaJoie does not disclose or suggest at least the following:

- (1) navigable sequences of visual cards scrolled along *perpendicular axes* through the *same spatially-fixed focus area*;
- (2) *horizontal and vertical* scrolling of sequences of visual cards through a *spatially-fixed focus area*;
- (3) *replacing* the second sequence with a third sequence of cards representing television programs in a later time slot in response to a *single* user command;
- (4) *transitioning between* navigation of first and second sequences *requiring no more than a single user command*;

(5) determination of a second sequence of cards based on a selected visual card from the first sequence; and

(6) each visual card in a sequence including a *picture* for graphically representing a *television programming source*.

With respect to the new claims 56 and 67 relating to the display of supplemental information within quadrants, the Examiner is correct that LaJoie apparently shows details related to a highlighted element. However, unlike new claims 56 and 67, LaJoie does not display the information within a quadrant formed by two intersecting, scrollable sequences. LaJoie does not disclose or even suggest multiple scrollable sequences displayed at the same time within a user interface. Similarly, as discussed above, Proehl does not disclose or suggest multiple scrollable sequences that are simultaneously displayed.

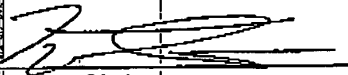
Conclusion

In view of the foregoing, the applicants respectfully submit that at least claims 1, 11, 22, 32, 43, 48, 50, 53, 55, 57-59, 61, 62, 66, 67, 68-70, 72, and 73 are patentably distinct over the cited references, alone or in combination. All other claims depend directly or indirectly on one of the foregoing claims. Accordingly, all claims are believed to be in condition for allowance. Favorable action is courteously requested.

Respectfully submitted,

Digeo, Inc.

By



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**TERMINAL DISCLAIMER TO OBTAIN A PROVISIONAL DOUBLE
PATENTING REJECTION OVER A PENDING SECOND APPLICATION**

Docket No.
50588/299

In re Application of: **James A. Billmaier et al.**
Application No. **10/138,810**
Filed: **May 3, 2002**
For: **SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE**

The owner, Digeo, Inc. of 100.00 percent interest in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application, which would extend beyond the expiration date of the full statutory term defined in 35 U.S.C. 154 to 156 and 173 as shortened by any terminal disclaimer filed prior to the grant of any patent granted on pending second Application Number 10/138,803, filed on May 3, 2002. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and any patent granted on the second application are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of any patent granted on the instant application that would extend to the expiration date of the full statutory term as defined in 35 U.S.C. 154 to 156 and 173 of any patent granted on the second application, as shortened by any terminal disclaimer filed prior to the patent grant, in the event that any such granted patent: expires for failure to pay a maintenance fee, is held unenforceable, is found invalid by a court of competent jurisdiction, is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321, has all claims cancelled by a reexamination certificate, is reissued, or in any manner terminated prior to the expiration of its full statutory term as shortened by any terminal disclaimer filed prior to its grant.

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Docket No.
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COMMENTS:

Attached are three Terminal Disclaimers, a Combined Amendment and Petition for Extension of Time, and accompanying documents for Serial No. 10/138,810 filed May 3, 2002, entitled SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE.

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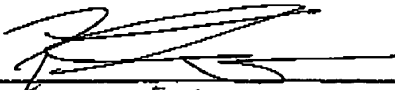
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Docket No.
50588/299

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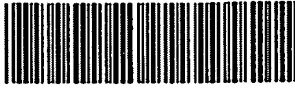
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_____ Signature of Person Mailing Correspondence
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P28LARGE/REV05

Index of Claims



Application No.

10/138,810

Examiner

Dennis G. Bonshock

Applicant(s)

BILLMAIER ET AL.

Art Unit

2173

√	Rejected
=	Allowed

-	(Through numeral) Cancelled
+	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

Claim		Date	
Final	Original	1/1/05	
1	√		
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Claim		Date	
Final	Original	1/1/05	
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PATENT APPLICATION FEE DETERMINATION RECORD
Effective October 1, 2001

Application or Docket Number

40138810

CLAIMS AS FILED - PART I

(Column 1) (Column 2)

TOTAL CLAIMS	51	
FOR	NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS	51 minus 20 =	* 31
INDEPENDENT CLAIMS	5 minus 3 =	* 2
MULTIPLE DEPENDENT CLAIM PRESENT <input type="checkbox"/>		

* If the difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II

5/25/05 (Column 1) (Column 2) (Column 3)

AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	* 58	Minus	** 50	= 8
	Independent	* 5	Minus	*** 5	=
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>				

SMALL ENTITY TYPE OR

OTHER THAN SMALL ENTITY

RATE	FEE	OR	RATE	FEE
BASIC FEE	370.00	OR	BASIC FEE	740.00
X\$ 9=		OR	X\$18=	558
X42=		OR	X84=	168
+140=		OR	+280=	
TOTAL		OR	TOTAL	

SMALL ENTITY OR

OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
X\$ 9=		OR	X\$18=	20.00 400.00
X42=		OR	X84=	
+140=		OR	+280=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	400.00

(Column 1) (Column 2) (Column 3)

AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	*	Minus	**	=
	Independent	*	Minus	***	=
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>				

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
X\$ 9=		OR	X\$18=	
X42=		OR	X84=	
+140=		OR	+280=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	


(Column 1) (Column 2) (Column 3)

AMENDMENT C		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	*	Minus	**	=
	Independent	*	Minus	***	=
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>				

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
X\$ 9=		OR	X\$18=	
X42=		OR	X84=	
+140=		OR	+280=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."
 The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Paid

Application Number 	Application No. 10/138,810	Applicant(s) BILLMAIER ET AL.	

TERMINAL DISCLAIMER	<input checked="" type="checkbox"/> APPROVED	<input type="checkbox"/> DISAPPROVED
Document Code - DISQ	This patent is subject to a Terminal Disclaimer	
INTERNAL DOCUMENT – DO NOT MAIL		

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Name:	Fax No.	Company/Firm	Phone No.
TO: Art Unit 2173	(703) 872-9306	USPTO	
Name:	Sender's Direct Dial:	Sender's Direct Email:	
FROM: Kory D. Christensen	(801) 578-6993	kdchristensen@stoel.com	

Client: 50588	Matter: 299
---------------	-------------

DATE: April 22, 2005

No. of Pages (including this cover): 7

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COMMENTS:


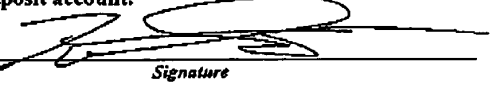
Attached is a Supplemental Information Disclosure Statement and accompanying documents for Serial No. 10/138,810 filed May 3, 2002, entitled SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE.

SaltLake-250506.1 0050588-00019

BEST AVAILABLE COPY

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c))					Docket No. 50588/299	
In Re Application Of: James A. Billmaier et al.						
Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.	
10/138,810	May 3, 2002	Unassigned	32641	2173	4013	
Title: SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE						
Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450						
37 CFR 1.97(b)						
1. The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.						
37 CFR 1.97(c)						
2. <input checked="" type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:						
<input checked="" type="checkbox"/> the statement specified in 37 CFR 1.97(e);						
OR						
<input type="checkbox"/> the fee set forth in 37 CFR 1.17(p).						

P10A/REV05

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c))					Docket No. 50588/299	
In Re Application: James A. Billmaier et al.						
Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.	
10/138,810	May 3, 2002	Unassigned	32641	2173	4013	
Title: SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE						
Payment of Fee (Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))						
<input type="checkbox"/> A check in the amount of _____ is attached. <input checked="" type="checkbox"/> The Director is hereby authorized to charge and credit Deposit Account No. 502375 as described below.						
<input type="checkbox"/> Charge the amount of _____ <input type="checkbox"/> Credit any overpayment. <input checked="" type="checkbox"/> Charge any additional fee required.						
<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.						
Certificate of Transmission by Facsimile*				Certificate of Mailing by First Class Mail		
I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. _____) April <u>22</u> , 2005 (Date)  Signature Kory D. Christensen Typed or Printed Name of Person Signing Certificate				I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on _____ (Date) _____ Signature of Person Mailing Correspondence _____ Typed or Printed Name of Person Mailing Certificate		
*This certificate may only be used if paying by deposit account.  Signature				Dated: April <u>22</u> , 2005		
Kory D. Christensen Registration No. 43,548 STOEL RIVES LLP One Utah Center 201 South Main Street, Suite 1100 Salt Lake City, UT 84111 Phone: (801) 578-6993 Facsimile: (801) 578-6999 CC:						

P10A/REV05

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APR 22 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

James A. Billmaier et al.

Confirmation No. 4013

Application No. 10/138,810

Filed: May 3, 2002

For: SYSTEM AND METHOD FOR
FOCUSED NAVIGATION WITHIN A
USER INTERFACE

Group Art Unit: 2173

Examiner:

Date: April 22, 2005

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

TO THE COMMISSIONER FOR PATENTS:

1. Pursuant to the duty of disclosure, documents listed on the accompanying Form PTO-1449 (or equivalent) are presented for the Examiner's consideration.
 - Copies of listed U.S. patents and U.S. patent application publications are not required for submission. (37 C.F.R. § 1.98(a)(2)(ii))
 - Copies of listed foreign patent documents and/or non-patent literature are enclosed. (37 C.F.R. § 1.98(a)(2))
 - Copies of the documents listed at (sheet/cite no.) _____ of the attached Form PTO-1449 (or equivalent) are omitted because (1) they are already of record in U.S. Patent Application No. _____, filed _____, on which this application relies for an earlier filing date under 35 U.S.C. § 120; and (2) any information disclosure statement filed in the prosecution of Application No. _____, complies with 37 CFR §§ 1.98(a) through (c). (37 C.F.R. § 1.98(d))
 - A copy of copending U.S. Patent Application No. _____, filed _____, for _____, listed at (sheet/cite no.) _____ of the attached Form PTO-1449 (or equivalent), is enclosed / is omitted. (Copy not required if available via IFW. 1287 OG 163 (Oct. 19, 2004)).
2. This information disclosure statement is being submitted (check box a., b., or c.):
 - a. Within three months of the filing date of a national application or entry of the national stage in an international application; or before the mailing of a first Office action on the merits; or before the mailing of a first Office

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action after the filing of a request for continued examination under 37 CFR 1.114. (No statement under 37 CFR 1.97(e) is required.); or

b. After the period set forth in paragraph 2a, but before the mailing date of either a final action, a notice of allowance, or an action that otherwise closes prosecution in the application. (Check box i. or ii.)

i. A \$180.00 information disclosure statement submission fee set forth in 37 CFR 1.17(p) is enclosed, or

ii. A statement specified by 37 CFR 1.97(e) is set forth below; or

c. After the mailing date of a final action or notice of allowance and on or before payment of the issue fee. A statement specified by 37 CFR 1.97(e) is set forth below. Enclosed is a \$180.00 information disclosure statement processing fee set forth in 37 CFR 1.17(p).

3. If a statement specified by 37 CFR 1.97(e) is required, the attorney or agent signing below hereby states that:

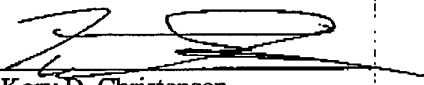
each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; or

no item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.

4. A concise explanation of the relevance of each document not in the English language and/or selected documents in the English language is set forth below.

Respectfully submitted,

Digeo, Inc.

By 
Kory D. Christensen
Registration No. 43,548

STOEL RIVES LLP
One Utah Center Suite 1100
201 S Main Street
Salt Lake City, UT 84111-4904
Telephone: (801) 328-3131
Facsimile: (801) 578-6999
Attorney Docket No. 50588/299

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				Docket Number (Optional) 50588/299		Application Number 10/138,810			
				Applicant(s) James A. Billmaier et al.				Group Art Unit 2173	
				Filing Date May 3, 2002					
U.S. PATENT DOCUMENTS									
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
	A1	5,673,401	09/30/1997	Volk et al.	395	327	07/31/95		
	A2	5,838,326	11/17/98	Card et al.	345	355	09/26/96		
U.S. PATENT APPLICATION PUBLICATIONS									
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
	B1	2003/0093792 A1	05/15/03	Labeeb et al.	725	46	06/27/01		
FOREIGN PATENT DOCUMENTS									
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation		
							YES	NO	
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>									
EXAMINER				DATE CONSIDERED					

Form PTO-A820
(also form PTO-1449)

POB/REV05

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

SHEET 1 OF 1

PAGE 717 * RCVD AT 4/22/2005 12:12:35 PM [Eastern Daylight Time] * SVR:USPTO-EFXXRF-1/1 * DNIS:8729306 * CSID:801 578 6999 * DURATION (mm-ss):02-00

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

James A. Billmaier et al.

Confirmation No. 4013

Application No. 10/138,810

Filed: May 3, 2002

For: **SYSTEM AND METHOD FOR
FOCUSED NAVIGATION WITHIN A
USER INTERFACE**

Group Art Unit: 2173

Examiner:

Date: February 14, 2005

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

TO THE COMMISSIONER FOR PATENTS:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicant wishes to make known to the Patent and Trademark Office the references set forth on the attached form PTO-1449. Applicant wishes to disclose and have officially considered the following co-pending related applications by the same assignee: Application No. 10/097,174, filed March 12, 2002, entitled SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN AN INTERACTIVE TELEVISION USER INTERFACE; Application No. 10/105,088, filed March 22, 2002, entitled COLOR-ENHANCED FOCUSED NAVIGATION WITHIN A USER INTERFACE; Application No. 10/105,083, filed March 22, 2002, entitled SOUND-ENHANCED FOCUSED NAVIGATION WITHIN A USER INTERFACE; Application No. 10/097,195, filed March 12, 2002, entitled SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE; Application No. 10/108,178, filed March 27, 2002, entitled SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE; Application No. 10/113,889, filed March 29, 2002, entitled SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE; Application No. 10/107,601, filed March 27, 2002, entitled SYSTEM AND METHOD FOR FOCUSED

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NAVIGATION WITHIN A USER INTERFACE INCLUDING CONTEXT-SENSITIVE AREAS; Application No. 10/113,820, filed March 29, 2002, entitled SYSTEM AND METHOD FOR FOCUSED NAVIGATION USING FILTERS; Application No. 10/186,209, filed June 27, 2002, entitled SYSTEM AND METHOD FOR DISPLAYING OPTION REPRESENTATIONS WITH MULTIPLE LEVELS OF SPECIFICITY; Application No. 10/186,210, filed June 27, 2002, entitled SYSTEM AND METHOD FOR ENABLING FOCUSED NAVIGATION USING FILTERING AND DIRECT-TUNE BUTTONS; Application No. 10/230,964, filed August 29, 2002, entitled SYSTEM AND METHOD FOR CAPTURING VIDEO FRAMES FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE; Application No. 10/260,700, filed September 30, 2002, entitled FOCUSED NAVIGATION INTERFACE FOR A PC MEDIA CENTER AND EXTENSION DEVICE; Application No. 10/260,738, filed September 30, 2002, entitled FOCUSED NAVIGATION INTERFACE FOR A HOME MEDIA CENTER WITH MULTIPLE TELEVISION SUPPORT; Application No. 10/260,208, filed September 30, 2002, entitled FILTERING BY BROADCAST OR RECORDING QUALITY WITHIN AN ELECTRONIC PROGRAM GUIDE; Application No. 10/328,754, filed December 23, 2002, entitled SYSTEM AND METHOD FOR CAPTURING VIDEO CLIPS FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE; Application No. 10/259,199, filed September 27, 2002, entitled CAPTURING VIDEO ELEMENTS FROM A DEDICATED CHANNEL FOR DISPLAY IN A GRAPHICAL USER INTERFACE; Application No 10/138,810, filed May 3, 2002, entitled SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE; Application No. 10/138,805, filed May 3, 2002, entitled SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE; Application No. 10/138,803, filed May 3, 2002, entitled SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE; Application No. 10/138,804, filed May 3,

2002, entitled SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE; Application No. 60/317,612, filed September 6, 2001, entitled SYSTEM AND METHOD FOR VISUAL CHANNEL SURFING; Application No. 60/324,997, filed September 26, 2001, entitled SYSTEM AND METHOD FOR VISUAL CHANNEL SURFING USING CENTER-FOCUSED NAVIGATION; Application No. 10/186,094, filed June 29, 2002, entitled SYSTEM AND METHOD FOR DELIVERING TELEVISION PROGRAMS AND RELATED SCHEDULE INFORMATION; Application No. 10/187,118, filed June 29, 2002, entitled SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN AN INTERACTIVE TELEVISION USER INTERFACE; Application No. 10/186,095, filed June 29, 2002, entitled SYSTEM AND METHOD FOR DELIVERING TELEVISION PROGRAMS AND RELATED SCHEDULE INFORMATION; Application No. 60/377,627, filed May 3, 2002, SYSTEM AND METHOD FOR DELIVERING TELEVISION PROGRAMS AND RELATED SCHEDULE INFORMATION; Application No. 29/161,708, filed June 3, 2002, entitled USER INTERFACE DESIGN FOR A TELEVISION DISPLAY SCREEN; Application No. 10/251,366, filed September 20, 2002, entitled SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE; Application No. 10/260,881, filed September 30, 2002, entitled SYSTEMS AND METHODS FOR AUTOMATIC PERSONALIZING OF CHANNEL FAVORITES; Application No. 10/320,900, filed December 16, 2002, entitled SYSTEM AND METHOD OF DISPLAYING CONTENT; and Application No. 10/328,514, filed December 23, 2002, entitled SYSTEM AND METHOD FOR CONTEXTUAL PRE-TUNING. As to any reference supplied, applicant does not admit that it is “prior art” under 35 U.S.C. §§ 102 or 103, and specifically reserves the right to traverse or antedate any such reference, as by a showing under 37 C.F.R. § 1.131 or other method. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicant’s duty to disclose all information

he is aware of which is believed relevant to the examination of the above-identified application,
applicant believes that his invention is patentable.

Please acknowledge receipt of this Information Disclosure Statement and kindly make
the listed references of record in the above-identified application.

Respectfully submitted,

Digeo, Inc.

By

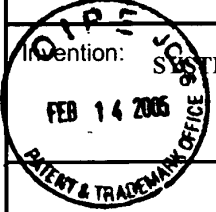

Kory D. Christensen
Registration No. 43,548

STOEL RIVES LLP
One Utah Center Suite 1100
201 S Main Street
Salt Lake City, UT 84111-4904
Telephone: (801) 328-3131
Facsimile: (801) 578-6999
Attorney Docket No. 50588/299

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)		Docket No.	
Applicant(s): James A. Billmaier et al.		50588/299	

Application No. 10/138,810	Filing Date May 3, 2002	Examiner	Customer No. 32641	Group Art Unit 2173
-------------------------------	----------------------------	----------	-----------------------	------------------------

Invention: **SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE**



I hereby certify that the following correspondence:

Supplemental Information Disclosure Statement (⁴/~~8~~ pgs.); PTO-1449 without copies of listed references (²/~~8~~ pgs.); postcard.

(Identify type of correspondence)

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February 14, 2005
(Date)

Kory D. Christensen

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(Signature of Person Mailing Correspondence)

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Sheet 1 of 2

FORM PTO-1449 (REV. 7-80) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
50588/299

APPLICATION NO.
10/138,810

INFORMATION DISCLOSURE CITATION

Title: **SYSTEM AND METHOD FOR FOCUSED NAVIGATION
WITHIN A USER INTERFACE**

APPLICANT – James A. Billmaier et al.

FILING DATE-
May 3, 2002

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	10/097,174		Billmaier et al.			03/12/02
	A2	10/105,088		Billmaier			03/22/02
	A3	10/105,083		Billmaier			03/22/02
	A4	10/097,195		Billmaier et al.			03/12/02
	A5	10/108,178		Billmaier et al.			03/27/02
	A6	10/113,889		Billmaier et al.			03/29/02
	A7	10/107,601		Billmaier et al.			03/27/02
	A8	10/113,820		Billmaier et al.			03/29/02
	A9	10/186,209		Istvan et al.			06/27/02
	A10	10/186,210		Billmaier et al.			06/27/02
	A11	10/230,964		Istvan et al.			08/29/02
	A12	10/260,700		Billmaier et al.			09/30/02
	A13	10/270,738		Billmaier et al.			09/30/02
	A14	10/260,208		Billmaier et al.			09/30/02
	A15	10/328,754		Rappaport et al.			12/23/02
	A16	10/259,199		Young et al.			09/27/02

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformation with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Sheet 2 of 2

FORM PTO-1449 (REV. 7-80) U.S. DEPARTMENT OF COMMERCE
 PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
 50588/299

APPLICATION NO.
 10/138,810

INFORMATION DISCLOSURE CITATION

Title: **SYSTEM AND METHOD FOR FOCUSED NAVIGATION
 WITHIN A USER INTERFACE**

APPLICANT – James A. Billmaier et al.

FILING DATE-
 May 3, 2002

	A17	10/138,805		Billmaier et al.			05/03/02
	A18	10/138,803		Billmaier et al.			05/03/02
	A19	10/183,804		Billmaier et al.			05/03/02
	A20	60/317,612		Reid et al.			09/06/01
	A21	60/324,997		Reid et al.			09/26/01
	A22	10/186,094		Billmaier et al.			06/29/02
	A23	10/187,118		Billmaier et al.			06/29/02
	A24	10/186,095		Billmaier et al.			06/29/02
	A25	60/377,627		Billmaier et al.			05/03/02
	A26	29/161,708		Nguyen et al.			06/03/02
	A27	10/251,366		Allen et al.			09/20/02
	A28	10/260,881		Allen et al.			09/30/02
	A29	10/320,900		Kolde et al.			12/16/02
	A30	10/328,514		Kolde et al.			12/23/02
	A31	6,690,391 B1	02/10/04	Proehl et al.	345	720	07/13/00
	A32	5,850,218	12/15/98	LaJoie et al.	345	327	02/19/97

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/138,810	05/03/2002	James A. Billmaier	260042.501	4013
32641	7590	01/25/2005	EXAMINER	
DIGEO, INC C/O STOEL RIVES LLP 201 SOUTH MAIN STREET, SUITE 1100 ONE UTAH CENTER SALT LAKE CITY, UT 84111			BONSHOCK, DENNIS G	
			ART UNIT	PAPER NUMBER
			2173	

DATE MAILED: 01/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/138,810	Applicant(s) BILLMAIER ET AL.	
	Examiner Dennis G. Bonshock	Art Unit 2173	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 03 May 2002.
- 2a) This action is **FINAL**.
- 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-51 is/are pending in the application.
 - 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-51 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 - 1. Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. _____.
 - 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
 Paper No(s)/Mail Date 9-12-02, 2-10-03
- 4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____

DETAILED ACTION

Double Patenting

1. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

2. A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

3. Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Double Patenting with 10/138,803:

4. Claims 1-3, 4-5, 6, 7-15, 16-17, 18, 20, 21, 22-24, 27, 25-26, 29-36, 39, 37-38, 41, 42, 43, 44, 48, and 50 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-3, 5-6, 4, 7-15, 17-18, 16, 19, 20, 21-23, 24, 25-26, 28-35, 36, 37-38, 39, 40, 41, 45, 50, and 51 of copending Application No. 10/138,810.

Although the conflicting claims are not identical, they are not patentably distinct from each other because the different aspect of case 10/138,810 teaches "a graphically represented first card characteristic" which encompasses the limitation to display television program information as recited in 10/138,803.

5. This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Provisional Double Patenting with 10/138,804:

6. Claims 1-3, 6, 4, 5, 8-14, 18, 16, 17, 20, 21, 22-24, 25, 26, 27, 29-35, 39, 37, 38, 41, 42, 43, 44, 45, 46, 47, 48, and 50 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-3, 4, 5, 6, 8-14, 15, 16, 17, 18, 19, 20-22, 24, 25, 23, 27-33, 34, 35, 36, 37, 38, 39, 43, 47, 48, 46, 50, and 51 of copending Application No. 10/138,810. Although the conflicting claims are not identical, they are not patentably distinct from each other because the different aspect of case 10/138,810 teaches "a graphically represented first card characteristic" which encompasses the limitation to display television program information as recited in 10/138,804.

7. This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Provisional Double Patenting with 10/138,805:

8. Claims 1-3, 6-15, 18, 20-24, 27-36, 39, 41, 42, 43, 48, and 50 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-3, 4-13, 14, 15-19, 20-29, 30, 31, 32, 33, 42, and 43 of copending Application No. 10/138,810. Although the conflicting claims are not identical, they are not patentably distinct from each other because the different aspect of case 10/138,810 teaches "a graphically represented first card characteristic" which encompasses the limitation to display television program information as recited in 10/138,805.

9. This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Claim Rejections - 35 USC § 102

10. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this

Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

11. Claims 1-10, 19, 20, 22-31, 40, 41, and 43-51 are rejected under 35 U.S.C. 102(e) as being anticipated by Proehl et al., patent #6,690,391, hereinafter Proehl.

12. With regard to claim 1, which teaches a method of navigation of television program listings within a user interface, Proehl teaches, in column 1, line 62 through column 2, line 25, navigating through audio/visual listings in a graphical user interface. With regard to claim 1, further teaching successively displaying a first set of visual cards in a first area of the user interface, each visual card of the first set of visual cards representing a corresponding broadcast time slot associated with a graphically represented first card characteristic, Proehl teaches, in column 4, lines 20-46, column 9, line 42 through column 10, line 27, and in figures 9 and 10, allowing the user to successively display information in a electronic program guide, where each successive display shows an episode at a

particular time slot, as associated by the electronic program guide (source). With regard to claim 1, further teaching enabling selection of a particular visual card of the first set of visual cards by a user in order to view a television program corresponding to the time slot represented by the selected visual card, Proehl teaches, in column 4, lines 8-20, in column 9, lines 63-67, and in column 10, lines 1-3, the user having the ability to select an element in the scrollable view where selection of an element, provides a live display of the television program currently being received.

13. With regard to claims 2 and 23, which teach storing the first set of visual cards, Proehl teaches, in column 5, lines 20-24, the grid information of the GUI being stored on a server, local or remote, and downloaded as needed.

14. With regard to claims 3 and 24, which teach discontinuing the successive display of the first set of visual cards, Proehl teaches, in column 4, lines 34-46, using a spring loaded switch, such as a rocker switch, that successively scrolls when held in a direction and upon release discontinues the successive display.

15. With regard to claims 4, 25, and 45, which teach the visual card graphically representing a broadcast television channel, Proehl teaches, in column 9, lines 45-50, a visual display of a television channel.

16. With regard to claims 5, 26, and 46, which teach the visual card graphically representing a broadcast television network, Proehl teaches, in column 9, lines 45-50, a visual display of a television channel name.

17. With regard to claims 6, 27, and 47, which teach each visual card graphically representing its associated program, Proehl teaches, in column 4,

lines 20-33 and in column 5, lines 15-24, the visual elements graphically representing data from the stored electronic program guide.

18. With regard to claims 7 and 28, which teach the broadcast time slot being 30 minutes in length, Proehl teaches, in column 9, lines 45-50 and in figures 9 and 10, the broadcast time for both "Titanic" and "The Wallflowers Unplugged" being 30 minutes in length.

19. With regard to claims 8 and 29, which teach successive display of visual cards in response to a single user action, Proehl teaches, in column 4, lines 34-46, the user using a rocker switch to successively display elements.

20. With regard to claims 9 and 30, which teach the selection of a particular visual card being in response to an additional user action, Proehl teaches, in column 4, lines 34-46, using a spring loaded switch, such as a rocker switch, that successively scrolls when held in a direction and upon release discontinues the successive display.

21. With regard to claims 10 and 31, which teach the selection of a particular visual card being in response to a single user action, Proehl teaches, in column 4, lines 34-46, using a spring loaded switch, such as a rocker switch, that successively scrolls when held in a direction and upon release discontinues the successive display, Proehl further teaches, in column 4, lines 8-34, selection being made via a pressing of a scroll cylinder or via pressing a button.

22. With regard to claims 19 and 40, which teach each broadcast time slot being associated with a corresponding episode of a plurality of episodes of the television program, Proehl teaches, in column 4, lines 20-33, in column 5, lines

15-24 and in figures 9 and 10, the visual elements graphically representing data from the stored electronic program guide.

23. With regard to claims 20 and 41, which teach each broadcast time slot being defined by the television program broadcast therein, in column 9, lines 45-50 and in column 10, lines 4-8, each broadcast time slot having an associated television program located in it.

24. With regard to claim 22, which teaches a system for focused navigation of television program listings within a user interface, Proehl teaches, in column 1, line 62 through column 2, line 25, navigating through audio/visual listings in a graphical user interface. With regard to claim 22, further teaching a user input detector configured to detect actions of a user, Proehl teaches, in column 4, lines 34-46, using a spring loaded switch, such as a rocker switch, that a user uses to provide input. With regard to claim 22, further teaching successively displaying a first set of visual cards in a first area of the user interface, each visual card of the first set of visual cards representing a corresponding broadcast time slot associated with a graphically represented first card characteristic, Proehl teaches, in column 4, lines 20-46, column 9, line 42 through column 10, line 27, and in figures 9 and 10, allowing the user to successively display information in an electronic program guide, where each successive display shows an episode at a particular time slot, as associated by the electronic program guide (source). With regard to claim 22, further teaching enabling selection of a particular visual card of the first set of visual cards by a user in order to view a television program corresponding to the time slot represented by the selected visual card, Proehl

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teaches, in column 4, lines 8-20, in column 9, lines 63-67, and in column 10, lines 1-3, the user having the ability to select an element in the scrollable view where selection of an element, provides a live display of the television program currently being received.

25. With regard to claim 43, which teaches a method of navigation of television program listings within a user interface, Proehl teaches, in column 1, line 62 through column 2, line 25, navigating through audio/visual listings in a graphical user interface. With regard to claim 43, further teaching successively displaying a first set of visual cards in a first area of the user interface, at least one visual card of the first set of visual cards representing an interactive television channel, Proehl teaches, in column 4, lines 20-46, column 9, line 42 through column 10, line 27, and in figures 9 and 10, allowing the user to successively display information in a electronic program guide, where each successive display shows a television channel. With regard to claim 43, which further teaches successively displaying a second set of visual cards in the first area for the user interface, each visual card of the second set of visual cards representing a corresponding broadcast time slot associated with a graphically represented first card characteristic, Proehl teaches, in column 4, lines 20-46, column 9, line 42 through column 10, line 27, and in figures 9 and 10, allowing the user to successively display information in a electronic program guide, where each successive display shows a broadcast time slot, as associated by the electronic program guide (source). With regard to claim 43, further teaching enabling selection of a particular visual card of the first set of visual cards by a

user in order to view a television program corresponding to the time slot represented by the selected visual card, Proehl teaches, in column 4, lines 8-20, in column 9, lines 63-67, and in column 10, lines 1-3, the user having the ability to select an element in the scrollable view where selection of an element, provides a live display of the television program currently being received.

26. With regard to claim 44, which teaches the user enabling the successive display of the second set of visual cards by selecting a particular visual card of the first set of visual cards, Proehl teaches, in column 10, lines 1-14, and in figure 10, the user first selecting via a channel, upon selection of the channel the user has the option to laterally move the scroll cylinder from right to left to select and display a second set of visual cards.

27. With regard to claim 48, which teaches a carrier signal for carrying visual card data, Proehl teaches, in column 5, lines 15-39, transferring AV grid information to the computer from remote databases. With regard to claim 48, further teaching successively displaying a first set of visual cards in a first area of the user interface, each visual card of the first set of visual cards representing a corresponding broadcast time slot associated with a graphically represented first card characteristic, Proehl teaches, in column 4, lines 20-46, column 9, line 42 through column 10, line 27, and in figures 9 and 10, allowing the user to successively display information in a electronic program guide, where each successive display shows an episode at a particular time slot, as associated by the electronic program guide (source). With regard to claim 48, further teaching enabling selection of a particular visual card of the first set of visual cards by a

user in order to view a television program corresponding to the time slot represented by the selected visual card, Proehl teaches, in column 4, lines 8-20, in column 9, lines 63-67, and in column 10, lines 1-3, the user having the ability to select an element in the scrollable view where selection of an element, provides a live display of the television program currently being received.

28. With regard to claims 49 and 51, which teach the first card characteristic being one of a broadcast television channel, a broadcast television network, or the television program, Proehl teaches, in column 4, lines 20-33 and in column 5, lines 15-24, the visual elements graphically representing data from the stored electronic program guide; in column 9, lines 45-50, a visual display of a television channel; and in column 9, lines 45-50, a visual display of a television channel name.

29. With regard to claim 50, which teaches a system for focused navigation of television program listings within a user interface, Proehl teaches, in column 1, line 62 through column 2, line 25, navigating through audio/visual listings in a graphical user interface. With regard to claim 50, further teaching means for successively displaying a first set of visual cards in a first area of the user interface, each visual card of the first set of visual cards representing a corresponding broadcast time slot associated with a graphically represented first card characteristic, Proehl teaches, in column 4, lines 20-46, column 9, line 42 through column 10, line 27, and in figures 9 and 10, allowing the user to successively display information in a electronic program guide, where each successive display shows an episode at a particular time slot, as associated by

the electronic program guide (source). With regard to claim 50, further teaching means for enabling selection of a particular visual card of the first set of visual cards by a user in order to view a television program corresponding to the time slot represented by the selected visual card, Proehl teaches, in column 4, lines 8-20, in column 9, lines 63-67, and in column 10, lines 1-3, the user having the ability to select an element in the scrollable view where selection of an element, provides a live display of the television program currently being received.

Claim Rejections - 35 USC § 103

30. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

31. Claims 11-18, 21, 32-39, and 42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Proehl and LaJoie et al., patent #5,850,218, hereinafter LaJoie.

32. With regard to claims 11 and 32, Proehl teaches the successive display of television program information on a display (see above), but doesn't teach a second display of visual cards in a second area of the user interface, each card of the second set representing a corresponding broadcast time slot. LaJoie teaches a system in which television program information is shown in a scrollable channel list view (see column 23, lines 44 through column 25, line 36 and figure 16), similar to that as done in Proehl, but further teaches a highlighted program

summary screen displaying information about the selected time slot (top left screen), this in response to the highlighting of an element in the time slot display below (bottom screen) (see column 23, lines 44 through column 24, line 15 and figure 16). It would have been obvious to one of ordinary skill in the art, having the teachings of Proehl and LaJoie before him at the time the invention was made to modify the program information display of Proehl to include a selected highlighted element display screen providing additional information on the program. One would have been motivated to make such a combination because the use of a second set of visual cards provides the use with not only an easily navigateable view, but as an elaboration of the highlighted selection.

33. With regard to claims 12 and 33, which teach storing the second set of visual cards, Proehl teaches, in column 5, lines 20-24, the grid information of the GUI being stored on a server, local or remote, and downloaded as needed. LaJoie further teaches, in column 30, lines 35-54, the storing of a weeks worth of interactive program guide data, in internal memory.

34. With regard to claims 13 and 34, which teach discontinuing the successive display of the second set of visual cards, Proehl teaches, in column 4, lines 34-46, using a spring loaded switch, such as a rocker switch, that successively scrolls when held in a direction and upon release discontinues the successive display. LaJoie further teaches, in column 24, lines 34-39, using the up and down arrows to successively change the highlighted element, which is the element displayed in the second window, where upon release the successive display would halt.

35. With regard to claims 14 and 35 (currently labeled 24), which teach the first and second sets of visual cards being simultaneously successively displayed, LaJoie teaches, in column 23, lines 44 through column 25, line 36 and figure 16, the simultaneous display of the additional, detailed information display (top left of screen) with the grid display (bottom of the screen).

36. With regard to claims 15 and 36, which teach the time slot corresponding to the displayed first set visual card and the time slot corresponding to the displayed second set visual card are identical, LaJoie teaches, in, column 23, lines 44 through column 24, line 15 and figure 16, the highlighted program summary screen displaying information about the selected time slot (top left screen), being displayed in response to the highlighting of the program element in the time slot display below (bottom screen).

37. With regard to claims 16 and 37, which teach the visual card of the second set graphically representing a broadcast television channel, Proehl teaches, in column 9, lines 45-50, a visual display of a television channel. LaJoie further teaches, in column 23, line 60 through column 24, line 15, and in figure 16, showing, in the upper left portion, the channel number for the highlighted element.

38. With regard to claims 17 and 38, which teach the visual card of the second set graphically representing a broadcast television network, Proehl teaches, in column 9, lines 45-50, a visual display of a television channel name. LaJoie further teaches, in column 23, line 60 through column 24, line 15, and in figure

16, showing, in the upper left portion, the networks logo for the highlighted element.

39. With regard to claims 18 and 39, which teach the visual card of the second set of visual cards graphically representing its associated programming source, Proehl teaches, in column 9, lines 45-50, a visual display of a television program. LaJoie further teaches, in column 23, line 60 through column 24, line 15, and in figure 16, showing, in the upper left portion, the program name for the highlighted element.

40. With regard to claims 21 and 42, Proehl teaches the programs being in a specified time slot (see column 9, lines 45-50 and in column 10, lines 4-8), but doesn't specifically state the time slot represented by the selected visual card being one of earlier, current, or future time slot. LaJoie teaches a system in which television program information is shown in a scrollable channel list view (see column 23, lines 44 through column 25, line 36 and figure 16), similar to that as done in Proehl, but further teaches, in column 23, line 59 through column 24, line 15, and in figure 16, the time slot having items from past, present, and future times relative to the displayed current time. It would have been obvious to one of ordinary skill in the art, having the teachings of Proehl and LaJoie before him at the time the invention was made to modify the grid display of Proehl to include elements from the past, present, and future as did LaJoie. One would have been motivated to make such a combination because Proehl teaches the ability to move the scroll cylinder right or left, where when moved over the Program Time Field it would allow the scrolling between different times.

Conclusion

41. The prior art made of record on form PTO-892 and not relied upon is considered pertinent to applicant's disclosure. Applicant is required under 37 C.F.R. § 1.111(c) to consider these references fully when responding to this action. The documents cited therein teach means for displaying program guides.

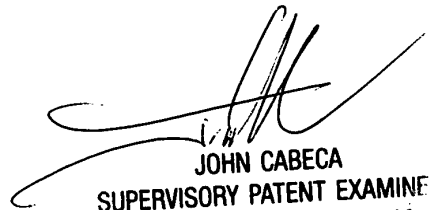
42. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dennis G. Bonshock whose telephone number is (571) 272-4047. The examiner can normally be reached on Monday - Friday, 6:30 a.m. - 4:00 p.m.

43. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cabeca can be reached on (571) 272-4048. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

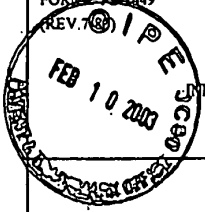
44. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

1-6-05

dgb


JOHN CABECA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

FORM PTO 1449 (REV. 7-99)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 260042.501	APPLICATION NO. 10/138,810
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANTS James A. Billmaier et al.	FILING DATE 05/03/02
		GROUP ART UNIT 2173	



U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
XGS	AA 5,812,124	09/22/98	Eick et al.	345	327	
XGS	AB 6,005,601	12/21/99	Ohkura et al.	348	7	
XGS	AC 6,028,600	02/22/00	Rosin et al.	345	327	
	AD 6,418,556 B1	07/09/02	Bennington et al.	725	40	
	AE					
	AF					
	AG					
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	AI					
	AJ					

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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
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AO					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AP			
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EXAMINER <i>[Signature]</i>	DATE CONSIDERED 1-6-05
* EXAMINER. Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).	

FORM PTO-1449
(REV.7-80)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
260042.501

APPLICATION NO.
10/138,810

INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

APPLICANTS
James A. Billmaier et al.

FILING DATE
May 3, 2002

GROUP ART UNIT
2173

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
D6B	AA	10/138,803		James A. Billmaier et al.			05/03/02
D6B	AB	10/138,804		James A. Billmaier et al.			05/03/02
X6B	AC	10/138,805		James A. Billmaier et al.			05/03/02
	AD						
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	AH						
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JAN 12 2003
Technology Center 2600

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
	AK				
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	AN				
	AO				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AP		
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EXAMINER

[Handwritten Signature]

DATE CONSIDERED

1-6-05

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

Notice of References Cited	Application/Control No. 10/138,810	Applicant(s)/Patent Under Reexamination BILLMAIER ET AL.	
	Examiner Dennis G. Bonshock	Art Unit 2173	Page 1 of 1

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
A	US-6,690,391 B1	02-2004	Proehl et al.	715/720
B	US-5,850,218 A	12-1998	LaJoie et al.	725/45
C	US-6,642,939 B1	11-2003	Vallone et al.	715/721
D	US-6,577,350 B1	06-2003	Proehl et al.	348/564
E	US-6,037,933 A	03-2000	Blonstein et al.	715/721
F	US-6,175,362 B1	01-2001	Harms et al.	715/721
G	US-			
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I	US-			
J	US-			
K	US-			
L	US-			
M	US-			

FOREIGN PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
N					
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NON-PATENT DOCUMENTS

*	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
U	
V	
W	
X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Index of Claims



Application No.

10/138,810

Examiner

Dennis G. Bonshock

Applicant(s)

BILLMAIER ET AL.

Art Unit

2173

√	Rejected
=	Allowed

-	(Through numeral) Cancelled
+	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

Claim	Date						
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BIBDATASHEET

CONFIRMATION NO. 4013

Bib Data Sheet

SERIAL NUMBER 10/138,810	FILING DATE 05/03/2002 RULE	CLASS 715	GROUP ART UNIT 2173	ATTORNEY DOCKET NO. 260042.501
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APPLICANTS

James A. Billmaier, Woodinville, WA;
 John M. Kellum, Seattle, WA;
 Anthony F. Istvan, Snoqualmie, WA; Dewey M. Reid, Woodinville, WA;
 Philip A. Rogan, Bozeman, MT;

** CONTINUING DATA *****

This appln claims benefit of 60/324,997 09/26/2001
 and claims benefit of 60/317,612 09/06/2001
 and claims benefit of 60/315,731 08/29/2001

DOB

** FOREIGN APPLICATIONS *****

none

DOB

IF REQUIRED, FOREIGN FILING LICENSE GRANTED

** 06/11/2002

Foreign Priority claimed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	STATE OR COUNTRY WA	SHEETS DRAWING 16	TOTAL CLAIMS 51	INDEPENDENT CLAIMS 5
35 USC 119 (a-d) conditions met <input checked="" type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> met after Allowance	EXAMINER'S SIGNATURE <i>[Signature]</i>	INITIALS <i>[Initials]</i>		

ADDRESS

32641
 DIGEO, INC C/O STOEL RIVES LLP
 201 SOUTH MAIN STREET, SUITE 1100
 ONE UTAH CENTER
 SALT LAKE CITY, UT
 84111

TITLE

System and method for focused navigation within a user interface

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L2	115	@ad<"20010829" and "715"/\$. ccls. and ("television program" "program guide") same (list card)	USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 09:02
L3	26	@ad<"20010829" and "715"/\$. ccls. and ("television program" "program guide") same (list card) same sets	USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 09:02
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S7	1	("6690391").PN.	USPAT	OR	OFF	2005/01/04 10:38
S8	1	("6642939").PN.	USPAT	OR	OFF	2005/01/04 10:38
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Search History 1/11/05 9:02:45 AM Page 1
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CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10) Applicant(s): James A. Billmaier et al.	Docket No. 50588/299
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Application No. 10/138,810	Filing Date May 3, 2002	Examiner	Customer No. 32641	Group Art Unit 2173
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Invention: **SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE**



I hereby certify that the following correspondence:

Supplemental Information Disclosure Statement (2 pgs.); PTO-1449 with copies of articles only; postcard.

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THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

James A. Billmaier et al.

Confirmation No. 4013

Application No. 10/138,810

Filed: May 3, 2002

For: **SYSTEM AND METHOD FOR
FOCUSED NAVIGATION WITHIN A
USER INTERFACE**

Group Art Unit: 2173

Examiner:

Date: December 30, 2004

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

TO THE COMMISSIONER FOR PATENTS:

1. Pursuant to the duty of disclosure, documents listed on the accompanying Form PTO-1449 (or equivalent) are presented for the Examiner's consideration.
 - Copies of listed foreign patent documents and non-patent literature are enclosed. (37 C.F.R. § 1.98(a)(2))
 - Copies of the documents listed at (sheet/cite no.) _____ of the attached Form PTO-1449 (or equivalent) are omitted because (1) they are already of record in U.S. Patent Application No. _____, filed _____, on which this application relies for an earlier filing date under 35 U.S.C. § 120; and (2) any information disclosure statement filed in the prosecution of Application No. _____, complies with 37 CFR §§ 1.98(a) through (c). (37 C.F.R. § 1.98(d))
 - A copy of copending U.S. Patent Application No. _____, filed _____, for _____, listed at (sheet/cite no.) _____ of the attached Form PTO-1449 (or equivalent), is enclosed / is omitted. (Copy not required if available via IFW. 1287 OG 163 (Oct. 19, 2004).).
2. This information disclosure statement is being submitted (check box a., b., or c.):
 - a. Within three months of the filing date of a national application or entry of the national stage in an international application; or before the mailing of a first Office action on the merits; or before the mailing of a first Office action after the filing of a request for continued examination under 37 CFR 1.114. (No statement under 37 CFR 1.97(e) is required.); or

- b. After the period set forth in paragraph 2a, but before the mailing date of either a final action, a notice of allowance, or an action that otherwise closes prosecution in the application. (Check box i. or ii.)
- i. A \$180.00 information disclosure statement submission fee set forth in 37 CFR 1.17(p) is enclosed, or
- ii. A statement specified by 37 CFR 1.97(e) is set forth below; or
- c. After the mailing date of a final action or notice of allowance and on or before payment of the issue fee. A statement specified by 37 CFR 1.97(e) is set forth below. Enclosed is a \$180.00 information disclosure statement processing fee set forth in 37 CFR 1.17(p).
3. If a statement specified by 37 CFR 1.97(e) is required, the attorney or agent signing below hereby states that:
- each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; or
- no item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.
4. A concise explanation of the relevance of each document not in the English language and/or selected documents in the English language is set forth below.

Respectfully submitted,

Digeo, Inc.

By 

Kory D. Christensen
Registration No. 43,548

STOEL RIVES LLP
One Utah Center Suite 1100
201 S Main Street
Salt Lake City, UT 84111-4904
Telephone: (801) 328-3131
Facsimile: (801) 578-6999
Attorney Docket No. 50588/299



FORM PTO-1449 (REV. 7-80) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 50588/299 APPLICATION NO. 10/138,810

INFORMATION DISCLOSURE CITATION

APPLICANT - James A. Billmaier et al.

Title: **SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE**

FILING DATE- May 3, 2002

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	6,678,891 B1	01/13/04	Wilcox et al.	725	42	11/19/98
	A2	5,682,511	10/28/97	Sposato et al.	395	353	05/05/95
	A3	6,690,391 B1	02/10/04	Proehl et al.	345	720	07/13/00
	A4	6,642,939 B1	11/04/03	Vallone et al.	345	721	03/30/00
	A5	5,623,613	04/22/97	Rowe et al.	395	353	11/29/94
	A6	6,266,098 B1	07/24/01	Cove et al.	348	563	10/22/97
	A7	6,344,880 B1	02/05/02	Takahashi et al.	348	563	05/14/98
	A8	5,398,074	03/14/95	Duffield et al.	348	564	07/11/94
	A9	5,602,596	02/11/97	Claussen et al.	348	564	04/08/94
	A10	5,606,374	02/25/97	Bertram	348	565	05/31/95
	A11	5,621,456	04/15/97	Florin et al.	348	7	06/22/93

U.S. PATENT APPLICATION PUBLICATIONS

	B1	2002/0070958 A1	06/13/02	Yeo et al.	345	723	01/22/99
	B2	2002/0078440 A1	06/20/02	Feinberg et al.	725	9	12/14/00
	B3	2002/0056129	05/09/02	Blacketter et al.	725	112	10/05/99

EXAMINER

DATE CONSIDERED

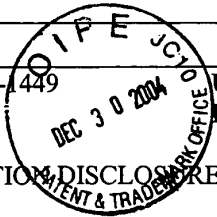
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					YES	NO

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Sheet 2 of 2



FORM PTO-1449
(REV. 7-80)

U.S. DEPARTMENT OF COMMERCE
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ATTY. DOCKET NO.
50588/299

APPLICATION NO.
10/138,810

INFORMATION DISCLOSURE CITATION

APPLICANT - James A. Billmaier et al.

Title: **SYSTEM AND METHOD FOR FOCUSED NAVIGATION
WITHIN A USER INTERFACE**

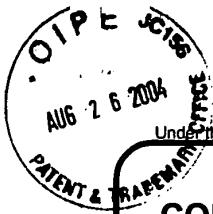
FILING DATE-
May 3, 2002

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication , etc.)

C1	Nokia Mediaterminal 511S; www.nokia.com/multimedia/pdf/mediaterminal.pdf ; pp. 1-12; 12/11/2001.
C2	Nokia Mediamaster 9470S; http://www.digitv.de/ifa01/nokia9470s.shtml ; pp. 1-2; 12/11/2001.

EXAMINER	DATE CONSIDERED
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CHANGE OF CORRESPONDENCE ADDRESS <i>Application</i>	Application Number	10/138,810
	Filing Date	May 3, 2002
	First Named Inventor	James A. Billmaier
	Art Unit	2173
	Examiner Name	
	Attorney Docket Number	50588/299

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Applicant/Inventor.

Assignee of record of the entire interest. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

Attorney or Agent of record. Registration Number 43,548

Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number

Typed or Printed Name **Kory D. Christensen**

Signature

Date **August 23, 2004** Telephone **(801) 578-6993**

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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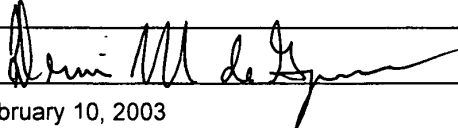
TRANSMITTAL FORM <i>(To be used for all correspondence after initial filing)</i>	Application Number	10/138,810
	Filing Date	May 3, 2002
	First Named Inventor	James A. Billmaier
	Group Art Unit	2173
	Examiner Name	
	Attorney Docket No.	260042.501

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ENCLOSURES (check all that apply)		
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<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Amendment/Response	<input type="checkbox"/> Request for Corrected Filing Receipt	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> After Final	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address	<input checked="" type="checkbox"/> Return Receipt Postcard
<input checked="" type="checkbox"/> Supplemental Information Disclosure Statement; Form PTO-1449	<input type="checkbox"/> Declaration	<input type="checkbox"/> Additional Enclosure(s) (please identify below):
<input checked="" type="checkbox"/> Cited References	<input type="checkbox"/> Statement under 37 CFR 3.73(b)	_____
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Terminal Disclaimer	_____
<input type="checkbox"/> Response to Missing Parts under 37 C.F.R. 1.52 or 1.53	<input type="checkbox"/> Small Entity Statement	_____
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	<input type="checkbox"/> Request for Refund	_____
Remarks		

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Individual Name	Dennis M. de Guzman Reg. No. 41,702	 32611 PATENT TRADEMARK OFFICE
Signature		
Date	February 10, 2003	

CERTIFICATE OF MAILING		
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Typed or printed name		
Signature		Date:

355279_1.DOC



EXPRESS MAIL NO. EV207700731US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : James A. Billmaier et al.
Application No. : 10/138,810
Filed : May 3, 2002
For : SYSTEM AND METHOD FOR FOCUSED NAVIGATION
WITHIN A USER INTERFACE

Art Unit : 2173
Docket No. : 260042.501
Date : February 10, 2003

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Commissioner for Patents
Washington, DC 20231

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicants wish to make known to the Patent and Trademark Office the references set forth on the attached form PTO-1449 (copies of the cited references are enclosed). As to any reference supplied, applicants do not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserve the right to traverse or antedate any such reference, as by a showing under 37 C.F.R. § 1.131 or other method. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

I hereby certify that each of the references set forth on the attached form PTO-1449 was cited in a communication from a foreign patent office in a counterpart foreign

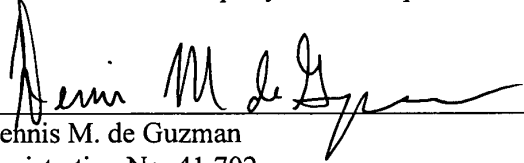
application not more than three months prior to the filing of this Information Disclosure Statement.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Respectfully submitted,

James A. Billmaier et al.

Seed Intellectual Property Law Group PLLC



Dennis M. de Guzman

Registration No. 41,702

DMD:wt

Enclosures:

Postcard

Form PTO-1449

Cited References (4)

701 Fifth Avenue, Suite 6300
Seattle, Washington 98104-7092
Phone: (206) 622-4900
Fax: (206) 682-6031

355275_1.DOC

FORM PTO 1449 (REV. 7/00)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 260042.501	APPLICATION NO. 10/138,810
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANTS James A. Billmaier et al.	
		FILING DATE 05/03/02	GROUP ART UNIT 2173

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	5,812,124	09/22/98	Eick et al.	345	327	
AB	6,005,601	12/21/99	Ohkura et al.	348	7	
AC	6,028,600	02/22/00	Rosin et al.	345	327	
AD	6,418,556 B1	07/09/02	Bennington et al.	725	40	
AE						
AF						
AG						
AH						
AI						
AJ						

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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
AK					
AL					
AM					
AN					
AO					

OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

AP		
AQ		
AR		

EXAMINER	DATE CONSIDERED
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* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).



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THE PRACTITIONERS OF RECORD HAVE BEEN CHANGED TO CUSTOMER # 32611

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 701 FIFTH AVENUE, SUITE 6300
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 Digeo Ref. No. 419.15
 PTO/SB/21 (08-00)

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 PATENT & TRADEMARK OFFICE

TRANSMITTAL FORM (To be used for all correspondence after initial filing)	Application Number	10/138,810
	Filing Date	May 3, 2002
	First Named Inventor	James A. Billmaier
	Group Art Unit	2173
	Examiner Name	
Attorney Docket No.	260042.501	

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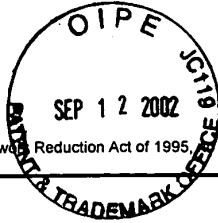
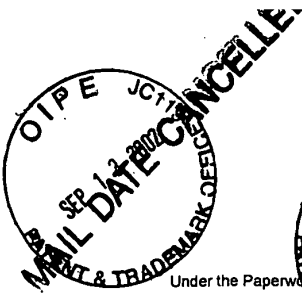
ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> CD(s), Number of CD(s)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Amendment/Response	<input type="checkbox"/> Request for Corrected Filing Receipt	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> After Final	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
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<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address	<input checked="" type="checkbox"/> Return Receipt Postcard
<input type="checkbox"/> Information Disclosure Statement; Form PTO-1449	<input type="checkbox"/> Declaration	<input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below):
<input type="checkbox"/> Cited References	<input type="checkbox"/> Statement under 37 CFR 3.73(b)	<u>Notification of Foreign Filing</u>
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Terminal Disclaimer	_____
<input type="checkbox"/> Response to Missing Parts under 37 C.F.R. 1.52 or 1.53	<input type="checkbox"/> Small Entity Statement	_____
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	<input checked="" type="checkbox"/> Request for Rescind Previous Nonpublication Request	_____

Remarks:

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Individual Name	Dennis M. de Guzman Reg. No. 41,702	 00500 PATENT TRADEMARK OFFICE
Signature	<i>Dennis M de Guzman</i>	
Date	September 12, 2002	

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PTO/SB/36 (10-01)

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REQUEST TO RESCIND PREVIOUS NONPUBLICATION REQUEST 35 U.S.C. 122(b)(2)(B)(ii)	Application Number		10/138,810
	Filing Date		May 3, 2002
	First Named Inventor		James A. Billmaier
	Title	SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE	
	Atty Docket Number	260042.501	RECEIVED SEP 26 2002
	Group Art Unit	2173	
	Examiner		

Technology Center 2100

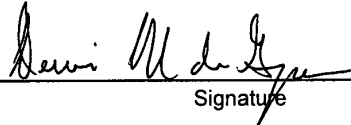
I hereby **rescind** the previous request that the above-identified application not be published under 35 U.S.C. 122(b).

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September 12, 2002

Date



Signature

Technology Center 2600
Reg. No. 41,702

Dennis M. de Guzman

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b).

Note: Filing this rescission of a previous nonpublication request is considered the notice of a subsequent foreign or international filing required by 35 USC 122(b)(2)(B)(iii) and 37 CFR 1.213(c) if this rescission is filed no later than forty-five (45) days after the date of filing of such foreign or international application. See 37 CFR 1.137(f) if a notice of subsequent foreign or international filing required by 35 USC 122(b)(2)(B)(iii) and 37 CFR 1.213(c) is not filed within forty-five (45) days after the date of filing the foreign or international application.

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(b). The information is used by the public to rescind a previously filed request that an application not be published under 35 U.S.C. 1.22(b) (and the PTO to process that rescission). Confidentiality is governed by 35 U.S.C. 122 and 37 C.F.R. 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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PATENT

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Applicants : James A. Billmaier et al.
Application No. : 10/138,810
Filed : May 3, 2002
For : SYSTEM AND METHOD FOR FOCUSED NAVIGATION
WITHIN A USER INTERFACE

Art Unit : 2173
Docket No. : 260042.501
Date : September 12, 2002

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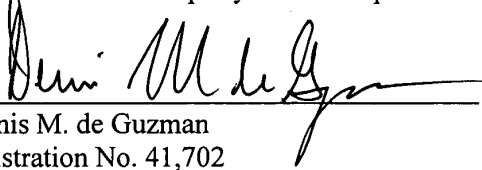
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NOTIFICATION OF FOREIGN FILING UNDER 35 U.S.C. §122(b)(2)(B)(iii)

Sir:

Pursuant to 35 U.S.C. §122(b)(2)(B)(iii), the Applicant hereby notifies the U.S. Patent Office that the above-identified patent application was foreign filed on August 26, 2002. Also attached is a Request to Rescind Previous Nonpublication Request (Form PTO/SB/36).

Respectfully submitted,
James A. Billmaier et al.
Seed Intellectual Property Law Group PLLC


Dennis M. de Guzman
Registration No. 41,702

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09-16-02

2173
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Digeo Ref. No. 419.15
PTO/SB/21 (08-00)

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TRANSMITTAL FORM <i>(To be used for all correspondence after initial filing)</i>	Application Number	10/138,810
	Filing Date	May 3, 2002
	First Named Inventor	James A. Billmaier
	Group Art Unit	2173
	Examiner Name	
	Attorney Docket No.	260042.501

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ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement; Form PTO-1449 <input checked="" type="checkbox"/> Cited References <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts under 37 C.F.R. 1.52 or 1.53 <input type="checkbox"/> Response to Missing Parts/Incomplete Application	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Request for Corrected Filing Receipt <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address <input type="checkbox"/> Declaration <input type="checkbox"/> Statement under 37 CFR 3.73(b) <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request for Rescind Previous Nonpublication Request	<input type="checkbox"/> CD(s), Number of CD(s) <input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Return Receipt Postcard <input type="checkbox"/> Additional Enclosure(s) (please identify below): <hr/> <hr/>

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Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Individual Name	Dennis M. de Guzman Reg. No. 41,702	 00500 PATENT TRADEMARK OFFICE
Signature		
Date	September 12, 2002	

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EXPRESS MAIL NO. EV064986484US
Digeo Ref. No. 419.15

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : James A. Billmaier et al.
Application No. : 10/138,810
Filed : May 3, 2002
For : SYSTEM AND METHOD FOR FOCUSED
NAVIGATION WITHIN A USER INTERFACE

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Art Unit : 2173
Docket No. : 260042.501
Date : September 12, 2002

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Commissioner for Patents
Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicant wishes to make known to the Patent and Trademark Office the references set forth on the attached form PTO-1449 (copies of the listed references are enclosed). Applicant wishes to disclose and have officially considered the following co-pending related applications by the same assignee: Application No. 10/138,803, filed May 3, 2002, entitled SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE; Application No. 10/138,804, filed May 3, 2002, entitled SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE; and Application No. 10/138,805, filed May 3, 2002, entitled SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE. As to any reference supplied, applicant does not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserves the right to traverse or antedate any such reference, as by a showing under 37 C.F.R. § 1.131 or other method. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicant's duty to disclose all information

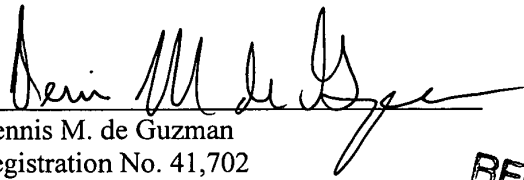
he is aware of which is believed relevant to the examination of the above-identified application, applicant believes that his invention is patentable.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the listed references of record in the above-identified application.

Respectfully submitted,

James A. Billmaier et al.

Seed Intellectual Property Law Group PLLC


Dennis M. de Guzman
Registration No. 41,702

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Enclosures:

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Form PTO-1449
Listed References (3)

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FORM PTO-1449 (REV.7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 260042.501	APPLICATION NO. 10/138,810
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INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

APPLICANTS
James A. Billmaier et al.

FILING DATE
May 3, 2002

GROUP ART UNIT
2173

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	10/138,803		James A. Billmaier et al.			05/03/02
AB	10/138,804		James A. Billmaier et al.			05/03/02
AC	10/138,805		James A. Billmaier et al.			05/03/02
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
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AL					
AM					
AN					
AO					

OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

AP		
AQ		
AR		

EXAMINER	DATE CONSIDERED
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* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).



08-14-02

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TRANSMITTAL FORM (To be used for all correspondence after initial filing)	Application Number	10/138,810
	Filing Date	May 3, 2002
	First Named Inventor	James A. Billmaier
	Group Art Unit	2173
	Examiner Name	
	Attorney Docket No.	260042.501

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> CD(s), Number of CD(s) _____
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Amendment/Response	<input checked="" type="checkbox"/> Request for Corrected Filing Receipt	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> After Final	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Express Abandonment Request	<input checked="" type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address	<input checked="" type="checkbox"/> Return Receipt Postcard
<input type="checkbox"/> Information Disclosure Statement; Form PTO-1449	<input checked="" type="checkbox"/> Declaration	<input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below):
<input type="checkbox"/> Cited References	<input checked="" type="checkbox"/> Statement under 37 CFR 3.73(b)	<u>Copy of Notice to File Missing Parts</u>
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Terminal Disclaimer	<u>Copy of Filing Receipt with corrections in red ink.</u>
<input checked="" type="checkbox"/> Response to Missing Parts under 37 C.F.R. 1.52 or 1.53	<input type="checkbox"/> Small Entity Statement	<u>Supplemental Application Data Sheet</u>
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	<input type="checkbox"/> Request for Refund	
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Individual Name	Dennis M. de Guzman Reg. No. 41,702	 00500 PATENT TRADEMARK OFFICE
Signature		
Date	August 12, 2002	

CERTIFICATE OF MAILING		
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Signature		Date:

260042.501/309154_1



FEE TRANSMITTAL for FY 2002		<i>Patent fees are subject to annual revision.</i>	
TOTAL AMOUNT OF PAYMENT (\$)		1,596.00	
Complete if Known			
Application Number	10/138,810		
Filing Date	May 3, 2002		
First Named Inventor	James A. Billmaier		
Examiner Name			
Group Art Unit	2173		
Attorney Docket No.	260042.501		

METHOD OF PAYMENT	
<input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other	
<input type="checkbox"/> Deposit Account: Deposit Account Number: 19-1090 Deposit Account Name: Seed Intellectual Property Law Group PLLC	
The Commissioner is authorized to (check all that apply) <input type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input type="checkbox"/> Charge any additional fee(s) during the pendency of this application <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee <input checked="" type="checkbox"/> Charge any deficiencies	
to the above-identified deposit account.	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.	

FEE CALCULATION						
1. BASIC FILING FEE						
Large Entity		Small Entity				
Fee Code	Fee(\$)	Fee Code	Fee(\$)	Fee Description	Fee Paid	
101	740	201	370	Utility filing fee	740	
106	330	206	165	Design filing fee		
107	510	207	255	Plant filing fee		
108	740	208	370	Reissue filing fee		
114	160	214	80	Provisional filing fee		
SUBTOTAL (1)					(\$) 740	
2. EXTRA CLAIM FEES						
Total Claims	51	-20** =	31	* Fee from below	18	= Fee Paid 558
Independent Claims	5	-3** =	2	* Fee from below	84	= Fee Paid 168
Multiple Dependent				* Fee from below		= Fee Paid
Large Entity		Small Entity				
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid	
103	18	203	9	Claims in excess of 20		
102	84	202	42	Independent claims in excess of 3		
104	280	204	140	Multiple dependent claim, if not paid		
109	84	209	42	** Reissue independent claims over original patent		
110	18	210	9	** Reissue claims in excess of 20 and over original patent		
SUBTOTAL (2)					(\$) 726	
**or number previously paid, if greater; For Reissues, see above						

FEE CALCULATION (continued)						
3. ADDITIONAL FEES						
Large Entity		Small				
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid	
105	130	205	65	Surcharge - late filing fee or oath	130	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.		
139	130	139	130	Non-English specification		
147	2,520	147	2,520	For filing a request for ex parte reexamination		
112	920*	112	920*	Requesting publication of SIR prior to Examiner action		
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action		
115	110	215	55	Extension for reply within first month		
116	400	216	200	Extension for reply within second month		
117	920	217	460	Extension for reply within third month		
118	1,440	218	720	Extension for reply within fourth month		
128	1,960	228	980	Extension for reply within fifth month		
119	320	219	160	Notice of Appeal		
120	320	220	160	Filing a brief in support of an appeal		
121	280	221	140	Request for oral hearing		
138	1,510	138	1,510	Petition to institute a public use proceeding		
140	110	240	55	Petition to revive - unavoidable		
141	1,280	241	640	Petition to revive - unintentional		
142	1,280	242	640	Utility issue fee (or reissue)		
143	460	243	230	Design issue fee		
144	620	244	310	Plant issue fee		
122	130	122	130	Petitions to the Commissioner		
123	50	123	50	Petitions related to provisional applications		
126	180	126	180	Submission of Information Disclosure Stmt		
581	40	581	40	Recording each patent assignment per property (times number of properties)		
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))		
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))		
179	740	279	370	Request for Continued Examination (RCE)		
169	900	169	900	Request for expedited examination of a design application		
Other fee (specify) _____						
*Reduced by Basic Filing Fee Paid					SUBTOTAL (3) (\$) 130	

SUBMITTED BY			
Name (Print/Type)	Dennis M. de Guzman	Registration No. Attorney/Agent	41,702
Firm Name/Address			
Signature			



3



UNITED STATES PATENT AND TR

Express Mail No. EV064991802US

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/138,810	05/03/2002	James A. Billmaier	260042.501

CONFIRMATION NO. 4013

00500
SEED INTELLECTUAL PROPERTY LAW GROUP PLLC
701 FIFTH AVE
SUITE 6300
SEATTLE, WA 98104-7092

FORMALITIES LETTER



OC000000008269465



Date Mailed: 06/12/2002

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 740 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).
- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

Items Required To Avoid Processing Delays:

The item(s) indicated below are also required and should be submitted with any reply to this notice to avoid further processing delays.

- Additional claim fees of **\$726** as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

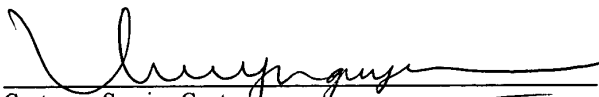
SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is **\$1596** for a Large Entity

08/15/2002	JBALINAN	00000069	10138810
01	FC:101		740.00 OP
02	FC:102		168.00 OP
03	FC:103		558.00 OP
04	FC:105		130.00 OP

- \$740 Statutory basic filing fee.
- \$130 Late oath or declaration Surcharge.
- Total additional claim fee(s) for this application is \$726
 - \$558 for 31 total claims over 20.
 - \$168 for 2 independent claims over 3.

*A copy of this notice **MUST** be returned with the reply.*



Customer Service Center
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



Express Mail No. EV064991802US
Digeo ref. no. 419.15
#4 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : James A. Billmaier et al.
Application No. : 10/138,810
Filed : May 3, 2002
For : SYSTEM AND METHOD FOR FOCUSED NAVIGATION
WITHIN A USER INTERFACE

Art Unit : 2173
Docket No. : 260042.501
Date : August 12, 2002

Box Missing Parts
Filing Receipt Corrections
Office of Initial Patent Examination
Commissioner for Patents
Washington, DC 20231

REQUEST FOR CORRECTED FILING RECEIPT

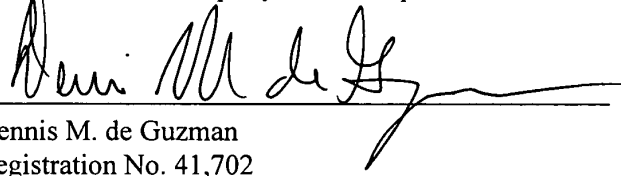
Commissioner for Patents:

Attached is a copy of the official Filing Receipt received from the PTO in the above-identified application, for which issuance of a corrected Filing Receipt is respectfully requested.

There is an error with respect to the following data, which is incorrectly entered. There is an error in the city and state of residence of one of the inventors, which should read **Dewey Reid, Woodinville, WA.**

The correction to be made has been marked in red on the enclosed copy of the Filing Receipt.

Respectfully submitted,
James A. Billmaier et al.
Seed Intellectual Property Law Group PLLC


Dennis M. de Guzman
Registration No. 41,702

701 Fifth Avenue, Suite 6300
Seattle, Washington 98104-7092
Phone: (206) 622-4900
Fax: (206) 682-6031

260042.501/309183_1

Express Mail No. EV064991802US

DMD



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
 UNITED STATES PATENT AND TRADEMARK OFFICE
 WASHINGTON, D.C. 20231
 www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
10/138,810	05/03/2002	2173	0.00	260042.501	16	51	5

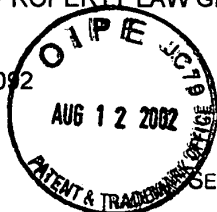
CONFIRMATION NO. 4013

00500
 SEED INTELLECTUAL PROPERTY LAW GROUP PLLC
 701 FIFTH AVE
 SUITE 6300
 SEATTLE, WA 98104-7092

FILING RECEIPT



OC00000008269464



RECEIVED

JUN 17 2002

Date Mailed: 06/12/2002

SEED INTELLECTUAL PROPERTY
 LAW GROUP PLLC

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

James A. Billmaier, Woodinville, WA;
 John M. Kellum, Seattle, WA;
 M. ~~Anthony F. Istvan, Snoqualmie, WA;~~
~~Dewey Reid, San Rafael, CA;~~ Woodinville, WA
 Philip Rogan, Bozeman, MT;
 L.A.

Assignment For Published Patent Application

digeo, inc., Kirkland, WA;

Domestic Priority data as claimed by applicant

THIS APPLN CLAIMS BENEFIT OF 60/324,997 09/26/2001
 AND CLAIMS BENEFIT OF 60/317,612 09/06/2001
 AND CLAIMS BENEFIT OF 60/315,731 08/29/2001

Foreign Applications

If Required, Foreign Filing License Granted 06/11/2002

Projected Publication Date: Request for Non-Publication Acknowledged

Non-Publication Request: Yes

Early Publication Request: No

Title

System and method for focused navigation within a user interface

Preliminary Class

345

**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



Please type a plus sign (+) inside this box +

EXPRESS MAIL NO. EV064991802US

Digeo ref. no. 419.15

PTO/SB/81 (10-00)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

ELECTION AND POWER OF ATTORNEY OR AUTHORIZATION OF AGENT	Application Number	10/138,810
	Filing Date	May 3, 2002
	First Named Inventor	James A. Billmaier
	Group Art Unit	
	Examiner Name	
	Attorney Docket Number	260042.501

I hereby appoint:

Practitioners at Seed IP Law Group PLLC

AND

Practitioner(s) named below:

Name	Registration Number
P.G. Scott Born	40,523
John C. Stewart	40,188

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.



Please change the correspondence address for the above-identified application to:

The above-mentioned Customer Number.

OR

Firm or Individual Name

Address

Address

City State ZIP

Country

Telephone Fax

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

As assignee of record of the entire interest I/we hereby elect, under 37 C.F.R. § 3.71, to prosecute the application to the exclusion of the inventor.

SIGNATURE of Applicant or Assignee of Record

Name	Tanya Kruger, VP Finance
Signature	<i>Tanya Kruger</i>
Date	<i>08/12/02</i>

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

*Total of _____ forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any Comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

260042.501/288520_1 [01-14-01]



EXPRESS MAIL NO.: EV064991802US

#3

Digeo ref. no. 419.15

PTO/SB/01A (10-00).

Approved for use through 10/31/2002. OMB 0651-0032. U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE

As the below named inventor(s), I/we declare that:

This declaration is directed to:

- The attached application, or
- Application No. 10/138,810, filed on May 3, 2002,
- as amended on _____ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application, if applicable; and

All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF INVENTOR(S)

Inventor one: James A. Billmaier Citizen of: US

Signature: James A. Billmaier Date: 6/21/02

Inventor two: John M. Kellum Citizen of: US

Signature: John M. Kellum Date: 6/17/2002

Inventor three: Anthony F. Istvan Citizen of: US

Signature: Anthony F. Istvan Date: 6/19/2002

Inventor four: Dewey M. Reid Citizen of: US

Signature: _____ Date: _____

X Additional inventors are being named on 1 additional form(s) attached hereto.

Burden Hour Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231. Docket No. 260042.501/288519_1



EXPRESS MAIL NO.: EV064991802US

Digeo ref. no. 419.15

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION
USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

**ADDITIONAL INVENTOR(S)
Supplemental Sheet**

Page 2 of 2

FULL NAME OF INVENTOR(S)

Inventor five: Philip A. Rogan Citizen of: UK

Signature: _____ Date: _____

Inventor six: _____ Citizen of: _____

Signature: _____ Date: _____

Inventor seven: _____ Citizen of: _____

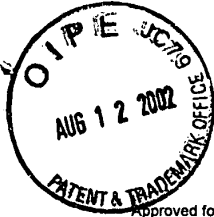
Signature: _____ Date: _____

Inventor eight: _____ Citizen of: _____

Signature: _____ Date: _____

Additional inventors are being named on _____ additional form(s) attached hereto.

260042.501/288519_1



EXPRESS MAIL NO.: EV064991802US

Digeo ref. no. 419.15

PTO/SB/01A (10-00).

Approved for use through 10/31/2002. OMB 0651-0032. U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION
USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

Title of Invention	SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE
---------------------------	--

As the below named inventor(s), I/we declare that:
 This declaration is directed to:
 The attached application, or
 Application No. 10/138,810, filed on May 3, 2002,
 as amended on _____ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application, if applicable; and

All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF INVENTOR(S)

Inventor one:	<u>James A. Billmaier</u>	Citizen of:	<u>US</u>
Signature:	_____	Date:	_____
Inventor two:	<u>John M. Kellum</u>	Citizen of:	<u>US</u>
Signature:	_____	Date:	_____
Inventor three:	<u>Anthony F. Istvan</u>	Citizen of:	<u>US</u>
Signature:	_____	Date:	_____
Inventor four:	<u>Dewey M. Reid</u>	Citizen of:	<u>US</u>
Signature:	_____	Date:	_____

X Additional inventors are being named on 1 additional form(s) attached hereto.

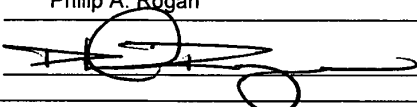
Burden Hour Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231. Docket No. 260042.501/288519_1

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION
USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

**ADDITIONAL INVENTOR(S)
Supplemental Sheet**

Page 2 of 2

FULL NAME OF INVENTOR(S)

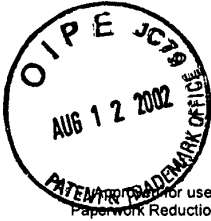
Inventor five: Philip A. Rogan Citizen of: UK
Signature:  Date: 7/31/2012

Inventor six: _____ Citizen of: _____
Signature: _____ Date: _____

Inventor seven: _____ Citizen of: _____
Signature: _____ Date: _____

Inventor eight: _____ Citizen of: _____
Signature: _____ Date: _____

Additional inventors are being named on _____ additional form(s) attached hereto.



EXPRESS MAIL NO.: EV064991802US

Digeo ref. no. 419.15

PTO/SB/01A (10-00).

For use through 10/31/2002. OMB 0651-0032. U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE
---------------------------	--

As the below named inventor(s), I/we declare that:
 This declaration is directed to:

The attached application, or
 Application No. 10/138,810, filed on May 3, 2002,
 as amended on _____ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application, if applicable; and

All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF INVENTOR(S)

Inventor one:	<u>James A. Billmaier</u>	Citizen of:	<u>US</u>
Signature:	_____	Date:	_____
Inventor two:	<u>John M. Kellum</u>	Citizen of:	<u>US</u>
Signature:	_____	Date:	_____
Inventor three:	<u>Anthony F. Istvan</u>	Citizen of:	<u>US</u>
Signature:	_____	Date:	_____
Inventor four:	<u>Dewey M. Reid</u>	Citizen of:	<u>US</u>
Signature:	<u><i>[Handwritten Signature]</i></u>	Date:	<u>7/15/2002</u>

X Additional inventors are being named on 1 additional form(s) attached hereto.

Burden Hour Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231. Docket No. 260042.501/288519_1

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION
USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

**ADDITIONAL INVENTOR(S)
Supplemental Sheet**

Page 2 of 2

FULL NAME OF INVENTOR(S)

Inventor five: Philip A. Rogan Citizen of: UK
Signature: _____ Date: _____

Inventor six: _____ Citizen of: _____
Signature: _____ Date: _____

Inventor seven: _____ Citizen of: _____
Signature: _____ Date: _____

Inventor eight: _____ Citizen of: _____
Signature: _____ Date: _____

Additional inventors are being named on _____ additional form(s) attached hereto.

260042.501/288519_1



EXPRESS MAIL NO. EV064991802US
Digeo ref. no. 419.15
PTO/SB/96 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: James A. Billmaier et al.

Application No./Patent No.: 10/138,810 Filed/Issue Date: May 3, 2002

Entitled: SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE

Digeo, Inc., a corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- 1. the assignee of the entire right, title, and interest; or
- 2. an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____

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2. From: _____ To: _____

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Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

8/2/02
Date

Tanya Kruger
Typed or printed name

Tanya Kruger
Signature

VP Finance
Title

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ASSIGNMENT

WHEREAS, we, James A. Billmaier, John M. Kellum, Anthony F. Istvan, Dewey M. Reid and Philip A. Rogan (hereinafter referred to as ASSIGNORS), having mailing addresses of 22322 NE 157th Street, Woodinville, WA 98072, 303 E. Pike St. #PH-5, Seattle, WA 98122, 7213 Chanticleer Ave SE, Snoqualmie, WA 98065, 16626 160th Place, NE, Woodinville, WA 98350 and 138 McGee Drive, Bozeman, MT, 59715 respectively, are the joint inventors of an invention entitled "SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE," as described and claimed in the specification for which an application for United States letters patent was filed on May 3, 2002 and assigned Application No. 10/138,810.

WHEREAS, Digeo, Inc. (hereinafter referred to as ASSIGNEE), a corporation of the State of Delaware having a place of business at 8815 122nd Ave NE, Kirkland, WA 98033, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

6/21/02
Date

James A. Billmaier
James A. Billmaier

6/17/2002
Date

John M. Kellum
John M. Kellum

6/19/2002
Date

Anthony F. Istvan
Anthony F. Istvan

**PLEASE SIGN
& DATE**

Date

Dewey M. Reid

Date

Philip A. Rogan

288518_1
(260042.501)

Date

James A. Billmaier

Date

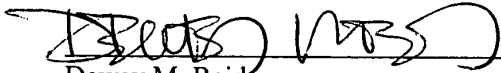
John M. Kellum

Date

Anthony F. Istvan

Date

7/15/2007



Dewey M. Reid

Date

Philip A. Rogan

288518_1
(260042.501)

Date

James A. Billmaier

Date

John M. Kellum

Date

Anthony F. Istvan

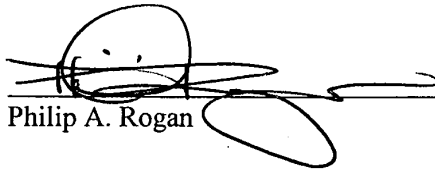
Date

Dewey M. Reid

Date

7/31/2002

Philip A. Rogan



288518_1
(260042.501)


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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/138,810	05/03/2002	James A. Billmaier	260042.501

CONFIRMATION NO. 4013

 00500
 SEED INTELLECTUAL PROPERTY LAW GROUP PLLC
 701 FIFTH AVE
 SUITE 6300
 SEATTLE, WA 98104-7092

FORMALITIES LETTER


OC000000008269465

Date Mailed: 06/12/2002

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION
FILED UNDER 37 CFR 1.53(b)
Filing Date Granted
Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 740 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).
- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

Items Required To Avoid Processing Delays:

The item(s) indicated below are also required and should be submitted with any reply to this notice to avoid further processing delays.


- Additional claim fees of **\$726** as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is **\$1596** for a Large Entity

- **\$740** Statutory basic filing fee.
- **\$130** Late oath or declaration Surcharge.
- Total additional claim fee(s) for this application is **\$726**
 - **\$558** for **31** total claims over 20.
 - **\$168** for **2** independent claims over 3.

*A copy of this notice **MUST** be returned with the reply.*



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PART 3 - OFFICE COPY

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PTO/SB/05 (11-00)

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UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>	Attorney Docket No.	260042.501
	First Inventor	James A. Billmaier
	Title	SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE
	Express Mail Label No.	EV064991762US

11040 U.S. PTO
10/138810

05/03/02

<p>1. <input type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original and a duplicate for fee processing)</i></p> <p>2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages <u>34</u>] <i>(preferred arrangement set forth below)</i></p> <ul style="list-style-type: none"> - Descriptive title of the Invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <u>16</u>]</p> <p>5. <input type="checkbox"/> Oath or Declaration [Total Sheets <u> </u>]</p> <ul style="list-style-type: none"> a. <input type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d)) <i>(for a continuation/divisional with Box 18 completed)</i> i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). <p>6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p>	<p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program <i>(Appendix)</i></p> <p>8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i></p> <ul style="list-style-type: none"> a. <input type="checkbox"/> Computer Readable Form (CRF) b. <input type="checkbox"/> Specification Sequence Listing on: <ul style="list-style-type: none"> i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identity of above copies <p>ACCOMPANYING APPLICATION PARTS</p> <p>9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))</p> <p>10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <i>(when there is an assignee)</i></p> <p>11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i></p> <p>12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>13. <input type="checkbox"/> Preliminary Amendment</p> <p>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>Should be specifically itemized)</i></p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i></p> <p>16. <input checked="" type="checkbox"/> Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.</p> <p>17. <input type="checkbox"/> Other: <u> </u></p>
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18. If a CONTINUING APPLICATION OR APPLICATION CLAIMING FOREIGN PRIORITY, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-part (CIP) Claims priority from application No.

Prior application information Examiner Group Art Unit:

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

<input type="checkbox"/> Correspondence address below		or:		<input checked="" type="checkbox"/> Customer Number or Bar Code Label	
Firm Name			 00500 PATENT TRADEMARK OFFICE		
Address					
City, State, Zip					
Country					
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Name (Print/Type)	Dennis M. de Guzman	Registration No. (Attorney/Agent)	41,702		
Signature	<i>Dennis M de Guzman</i>	Date	May 3, 2002		

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REQUEST AND CERTIFICATION UNDER 35 U.S.C. 122(b)(2)(B)(i)	First Named Inventor	James A. Billmaier
	Title	SYSTEM AND METHOD FOR FOCUSED NAVIGATION WITHIN A USER INTERFACE
	Attorney Docket Number	260042.501

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

05/03/02

Date

 Reg. No. 41,702
Signature

Dennis M. de Guzman

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 1.22(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 C.F.R. 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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"2025" OF 2025

APPLICATION DATA SHEET

Application Information

Application number::
Filing Date::
Application Type:: Regular
Subject Matter:: Utility
Suggested classification::
Suggested Group Art Unit::
CD-ROM or CD-R?:: None
Number of CD disks::
Number of copies of CDs::
Sequence submission?:: No
Computer Readable Form (CRF)?:: No
Number of copies of CRF::
Title :: SYSTEM AND METHOD FOR FOCUSED
NAVIGATION WITHIN A USER INTERFACE
Attorney Docket Number:: 260042.501
Request for Early Publication?:: No
Request for Non-Publication?:: Yes
Suggested Drawing Figure::
Total Drawing Sheets:: 16
Small Entity?:: No
Petition included?:: No
Petition Type::
Licensed U.S. Gov't Agency::
Contract or Grant No::
Secrecy Order in Parent Appl.?:: No

1013840 "05000"

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Country of Residence:: US
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City of mailing address::
State or Province of mailing address::
Country of mailing address::
Postal or Zip Code of mailing address::

Fifth Applicant Information

Applicant Authority Type:: Inventor
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Middle Name::
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Country of Residence:: US
Street of mailing address::
City of mailing address::
State or Province of mailing address::
Country of mailing address::
Postal or Zip Code of mailing address::

20250407082107

Foreign Priority Information

Country::	Application number::	Filing Date::	Priority Claimed::

Assignee Information

Assignee name::	digeo, inc.
Street of mailing address::	8815 122 nd Ave. NE
City of mailing address::	Kirkland
State or Province of mailing address::	WA
Country of mailing address::	USA
Postal or Zip Code of mailing address::	98033

260042.501/281012_1 [9/19/01]

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SYSTEM AND METHOD FOR FOCUSED NAVIGATION
WITHIN A USER INTERFACE

CROSS-REFERENCES TO RELATED APPLICATIONS

The present application is related to and claims priority from U.S.
5 Provisional Application No. 60/315,731, filed August 29, 2001, entitled "System
and Method for Visual Channel Surfing," which is hereby incorporated by reference
in its entirety. The present application is also related to and claims priority from
U.S. Provisional Application No. 60/317,612, filed September 6, 2001, entitled
"System and Method for Visual Channel Surfing," which is hereby incorporated by
10 reference in its entirety. The present application is further related to and claims
priority from U.S. Provisional Application No. 60/324,997, filed September 26,
2001, entitled "System and Method for Visual Channel Surfing Using Center-
Focused Navigation," which is hereby incorporated by reference in its entirety.

BACKGROUND OF THE INVENTION

15 Field of the Invention

The present invention relates generally to the field of information
systems. More specifically, the present invention relates to a system and method
for focused navigation within a user interface of an information system.

Description of the Related Art

20 Recent advances in technology have vastly increased the number of
available options within personal computers (PCs), interactive television (ITV)
systems, personal digital assistants (PDAs), cellular telephones, and other
information systems. For instance, current ITV systems offer hundreds of
broadcast channels and a variety of interactive options, including e-mail,

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videoconferencing, instant messaging, online banking, online purchasing, and so forth.

Unfortunately, despite technological advances, user interfaces for these systems have remained largely unchanged, making navigation through all of the newly available options no easy task. For example, a user of a modern ITV system must scan through potentially hundreds of channels and other options, often by repeatedly pressing a button on a remote control. Such an outdated approach is far too slow and inconvenient to facilitate effective operation of a modern ITV system.

Similar problems exist with PC interfaces. The graphical user interface (GUI) of a modern PC looks remarkably similar to the first GUI developed twenty years ago. Small icons representing user options are arranged in rows and columns on a graphical representation of a desktop. Many of the icons are identical, requiring the addition of text labels as a distinguishing feature. Typically, a user must individually examine each icon and read each label—a time-consuming process that does not lend itself to effective navigation of the numerous options available in a modern PC.

Accordingly, it would be an advancement in the art to provide a user interface that allows for rapid and efficient navigation of a plurality of options without the drawbacks of conventional approaches.

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWINGS

Non-exhaustive embodiments of the invention are described with reference to the figures, in which:

- Figure 1 is a block diagram of an ITV system;
- Figure 2 is an illustration of a plurality of cards;
- Figures 3-11 are illustrations of various techniques for focused navigation of a plurality of options within a user interface;
- Figure 12 is a timing diagram for displaying a sequence of cards;

Figure 13 is a schematic block diagram of a set-top box (STB);

Figure 14 a flowchart of a method for focused navigation of a plurality of options within a user interface.

DETAILED DESCRIPTION

5 Reference throughout this specification to “one embodiment” or “an embodiment” means that a particular described feature, structure, or characteristic is included in at least one embodiment of the present invention. Thus, appearances of the phrases “in one embodiment” or “in an embodiment” in various places throughout this specification are not necessarily all referring to the same
10 embodiment.

 Furthermore, the described features, structures, or characteristics may be combined in any suitable manner in one or more embodiments. In the following description, numerous specific details are provided, such as examples of programming, software modules, user selections, network transactions, database
15 queries, database structures, etc., to provide a thorough understanding of embodiments of the invention. One skilled in the relevant art will recognize, however, that the invention can be practiced without one or more of the specific details, or with other methods, components, materials, etc. In other instances, well-known structures, materials, or operations are not shown or described in detail
20 to avoid obscuring aspects of the invention.

 While the following description makes particular reference to ITV systems, it should be recognized that the present invention may be used in conjunction with any type of information system in which selectable options may be displayed on a display screen. Examples of such information systems include, but
25 are not limited to, ITV systems, personal computers, and mobile computing devices, such as PDAs, webpads, cellular telephones, and the like.

 Referring now to Figure 1, there is shown a block diagram of an ITV system 100 according to an embodiment of the invention. In one configuration, the

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ITV system 100 includes a television (TV) 102 or other display device having a display screen 104, a set-top box (STB) 106, and a remote control 108.

The STB 106 serves as a gateway between the TV 102 and a broadband communication network (not shown), such as a cable television network or a direct broadcast satellite (DBS) network. One commercially-available example of an STB 106 is the Motorola DCT5000[®] interactive set-top terminal.

The STB 106 receives encoded television signals and other data from the broadband network and processes the same for display on the display screen 104. The STB 106 may also include hardware and software for presenting a graphical user interface (GUI) 110 on the display screen 104 for operating the various functions and services of the STB 106. In alternative embodiments, the STB 106 may be integrated into the TV 102 or may be embodied within a personal computer (PC), mobile computing device, or the like.

The remote control 108 is provided for convenient remote operation of the STB 106 and the TV 102. The remote control 108 may include a wireless transmitter 112 for transmitting control signals to a wireless receiver 114 within the STB 106 using radio frequency (RF) or infrared (IR) techniques.

In addition, the remote control 108 may include a number of buttons or other similar controls. For instance, the remote control 108 may include an "Up" button 116, a "Down" button 118, a "Left" button 120, a "Right" button 122, and a "Select" button 124. In an embodiment, the remote control 108 may further include a "Forward" button 126 and a "Backward" button 128. Of course, a variety of other buttons or controls may be provided within the scope of the invention. In alternative implementations, the remote control 108 may be embodied as a keyboard, mouse, or other suitable input device.

As noted, an ITV system 100 typically provides access to a plurality of selectable options, such as channels, programs, applications, digital media files, etc. For instance, an ITV system 100 may provide access to literally hundreds of broadcast TV channels, pay-per-view (PPV) channels, music channels, and the

like. Additionally, an ITV system 100 may provide access to a number of interactive channels or applications, including web browsers, e-mail programs, chat clients, personal video recorder (PVR) applications, contact directories, and the like. Furthermore, an ITV system 100 may store or provide access to stored
5 PVR recordings, digital photographs, audio (MP3) files, or other forms of digital media.

As shown in Figure 2, each selectable option within the ITV system 100 may be associated with a card 200. A card 200 is an object or other suitable data structure that provides information about and/or access to an available option
10 within an ITV system 100. A card 200 may be a container of all of the attributes, actions, and/or states needed to facilitate interaction with the option represented thereby. Cards 200 may be stored in any suitable format within a memory or disk drive of the ITV system 100.

Each card 200 may include a graphical representation 202 for display
15 in the GUI 110, as described in detail below. The graphical representation 202 may include various types or combinations of artwork, digital photography, captured video frames, animations, or the like.

As depicted in Figure 2, cards 200a-c may be used to represent television programs or channels. The television programs may be ongoing (live),
20 upcoming, or previously-recorded as of the time of review by a user of cards 200. In addition to a graphical representation 202, such cards 200 may include but not necessarily display, for instance, a channel number 204, a channel name or identifier 206, a starting time 208, a running time 210, and a text description 212. In one embodiment, and as an alternative or in addition to the starting time 208
25 and running time 210, cards 200 may include a time slot 214. Of course, cards 200 representing other types of options may include additional or different types of information, such as audio/video clips, file or path names, network addresses (URLs), etc.

The graphical representations 202 associated with cards 200 may have different levels of specificity or granularity. For instance, a graphical representation 202a may correspond generally to a television series, e.g., “3rd Rock from the Sun,” while another graphical representation 202b may correspond to a television programming source such as a television station, e.g., “TBS,” or network, e.g., “CBS.” In other embodiments, a graphical representation 202 may correspond to a specific episode of a television series (e.g., a series premier), or even a product (purchase opportunity) associated with the television program. In still other embodiments, a generic graphical representation 202 may be provided, which may be overlaid by the channel number 204, text description 212, or other information, where a more specific card 200 is not available.

Cards 200 may be generated locally within an ITV system 100 or may be received via the broadband network using HTTP (hypertext transfer protocol), FTP (file transfer protocol), ATVEF (advanced television enhancement forum) triggers or other well-known protocols or techniques. In one embodiment, a card 200 may be received with data encoded in the vertical blanking interval (VBI) of a television signal. Additionally, information associated with cards 200 (e.g., channel number 204, starting time 208, running time 210) may be dynamically updated with information received in ATVEF triggers.

Referring to Figure 3, a plurality of cards 200 may be arranged or grouped together in a package or sequence 300. The sequence 300 may be circular (as depicted), linear, or configured in other ways. The sequence 300 may be arranged in numerical order by channel number 204, in alphabetical order by the text description 212, or in other preset or user-defined ways.

In the illustrated embodiment, one card 200a in the sequence 300 is active or in “focus.” As shown, the active card 200a may be displayed within a focus area 302 of a GUI 110 displayed on the TV 102. For brevity, the phrase “displaying a card” refers herein to displaying, or presenting as output to a display device, a graphical representation 202 associated with the card 200. Other

information associated with the card, e.g., the channel number 204 or text description 212, may or may not be displayed.

5 A focus area 302 is a single location of the GUI 110 at which the cards 200 are successively displayed (*i.e.*, displayed one at a time in any direction along a sequence). The focus area 302 may be located at a central or visually dominant location of the GUI 110, although the invention is not limited in this respect. As used herein, the term “focused navigation” refers to a technique of displaying a sequence (*e.g.*, sequence 300) of cards 200 within a focus area 302.

10 In response to a single user action, the cards 200 in a sequence 300 are successively displayed within the focus area 302. Where the sequence 300 is circular, the successive display of cards 200 may continue indefinitely until halted by the user by a subsequent action, as described more fully below.

15 The single user action to initiate navigation may be pressing (or pressing and holding down) a button on the remote control 108. For example, the user may press the “Up” button 116 to initiate the successive display in a first direction within the sequence 300 (indicated by line 304), and press the “Down” button 118 to initiate navigation in the opposite direction (indicated by line 306). Alternatively, the user may speak a command into a microphone (either within the STB 106 or remote control 108) to initiate navigation. Alternatively, the STB 106 or remote control 108 may incorporate one or more sensors that allow a user to navigate the cards 200 using bodily gestures. Such or similar sensors may further allow a user to invoke the GUI 110 using bodily gestures. Alternatively, the STB 106 or remote control 108 may incorporate one or more sensors that receive and interpret electromagnetic signals generated by the body of a user in order to
20 navigate the cards 200. Alternatively, the ITV system 100 may be configured such that navigation of cards 200 may be accomplished by touching or otherwise physically contacting the display screen 104. Of course, the user action may be performed in a variety of other ways within the scope of the invention.
25

In one embodiment, the sequence 300 of cards 200 is successively displayed at a rate selected by the user. For instance, initially pressing the "Up" button 116 may cause the sequence 300 to be displayed at a rate of two cards 200 per second. As the user continues to hold the "Up" button 116, the rate may increase gradually or in steps to any practical rate within the limit of a typical user's ability to recognize individual cards 200 when they are displayed. Many users are able to recognize individual cards 200 at a rate of seven or more cards 200 per second (420 per minute), facilitating rapid navigation of available options.

The cards 200, when displayed within the focus area 302, may be sufficiently large to permit user recognition from a comfortable viewing distance for the particular display screen 104. Thus, unlike PC icons, which typically occupy as little as 1/200 of the display area of the display screen 104, the displayed cards 200 (and the card 200 in the focus area 302 in particular) may occupy between 1/10 and 1/4 of the total display area.

When the user sees displayed a card 200 of a channel or option that she desires to select or view, the user may take some additional action and the successive display of cards 200 is halted. For example, where navigation was initiated by pressing and holding down the "Up" button 116, the user may release the "Up" button 116 to discontinue navigation. In an alternative embodiment, where the successive display was initiated simply by pressing a button, the user may press the same or a different button to halt the successive display. Of course, the user may discontinue navigation in a variety of other ways within the scope of the invention.

If the user's reaction time is fast enough, the card 200 representing the desired channel remains displayed in the focus area 302 once navigation is discontinued. However, the user's reaction time may not be fast enough and one or more cards 200 may be subsequently displayed. In such a case, the user may manually backtrack to the desired card 200 by repeatedly activating a suitable control on the remote control 108. For example, briefly pressing the "Up" or

5 "Down" buttons 116, 118 may result in the previous or next card 200, respectively, being displayed. Alternatively, as described in greater detail below, the ITV system 100 may attempt to determine the delay between the user recognizing the desired card 200 and taking the subsequent action and compensate for that delay by reverting to a previously-displayed card 200.

10 The user may select the channel or option associated with the displayed card 200 by taking a selection action. For instance, the user may press the "Select" button 124 on the remote control. Alternatively, the selection action may simply be waiting a set amount of time without activating any controls on the remote control 108.

15 The effect of activating the card 200 will vary depending on the type of card 200. For instance, in the case of a card 200 representing a live television program, the GUI 110 may be replaced by a full-size version of the program. Alternatively, activating a card 200 corresponding to a purchase opportunity may result in the display of a web browser directed to a particular website.

20 As shown in Figure 4, one or more previous and next cards 200 within the sequence 300 may be displayed along an axis of the GUI 110 to provide the user with a more complete navigational context within the sequence 300. For example, at least a subset of the sequence 300 of cards 200 may be displayed along a vertical axis, with the active card 200a being displayed in the focus area 302. In alternative embodiments, the cards 200 may be displayed along horizontal or diagonal axes, or in other suitable ways.

25 Typically, one or more cards 200 in a sequence 300 are not displayed. These off-screen or hidden cards may be dynamically changed, replaced, or updated during navigation, *e.g.*, a card 200 representing an advertisement may change from one sponsor to another.

When a user activates one of the navigation buttons of the remote control 108 (*e.g.*, the "Up" or "Down" buttons 116, 118), the displayed cards 200 in the sequence 300 may appear to shift or cycle downward or upward, respectively,

with a new card (e.g., card 200c or 202f) entering the focus area 302. Alternatively, the “Left” or “Right” button 120, 122 may be used for the same purpose.

As depicted, the card 200a in the focus area 302 may be visually emphasized in various ways. For example, the card 200a may be enlarged relative to the other displayed cards 200. Alternatively, the card 200a may be animated, marked, illuminated, highlighted, or otherwise set apart from the other cards 200.

In certain embodiments, if the user allows a card 200 representing a live television program to remain in the focus area 302 for a certain amount of time (e.g., 2 seconds), the card 200a may be overlaid by a video window 402 showing the live television program. Furthermore, if the user continues to linger on the card 200a (or if the user presses the “Select” button 124), the video window 402 may be enlarged 402 to fill the entire display screen 104. Other types of cards 200 may exhibit different types of behaviors when the card 200 remains in the focus area 302 for an established period of time.

Where the cards 200 represent live television programs, a card 200 corresponding to the currently-tuned channel (at the current date and time) may be selected by default for display in the focus area 302 each time the GUI 110 is shown. This may occur, for instance, when the user is watching TV and presses a button (such as the “Select” button 124) in order to display the GUI 110. Additionally, an indication of the currently-displayed card 200 in the focus area 302 may be stored in non-volatile memory or otherwise maintained such that if a reset condition occurs (e.g., the STB 106 is rebooted or reset after a power loss, etc.) the last-displayed card 200 may be restored to the focus area 302.

As shown in Figure 5, cards 200 may include one or more alternative graphical representations 502, which may be displayed when the card 200 enters the focus area 302. As depicted, cards 200c-f displayed outside of the focus area 302 are shown using a first graphical representation 202c-f. However, when the

card 200a enters the focus area 302, the alternative graphical representation 502 is shown. Additionally, cards 200 outside of the focus area 302 may be displayed in a reduced-size format with text descriptions 212.

Referring to Figure 6, a plurality of cards 200 may be arranged or
 5 grouped together in a package or sequence 600. In the illustrated embodiment, the cards 200n-r in the sequence 600 represent a single television network (e.g., CBS), as indicated by the graphical representation 202b. The cards 200n-r in the sequence 600 further represent the television programs, as indicated by the text descriptions 212n-r, carried by the represented television network. In an
 10 alternative embodiment, the graphical representation 202b depicting the television network represented by cards 200 may be replaced by or supplemented with a graphical representation 202 of the represented television programs.

The sequence 600 may be circular (as depicted), linear, or configured in other ways. In the illustrated embodiment, the sequence 600 is
 15 arranged in chronological order by time slot 214. Although, as illustrated, the time slots 214 associated with the sequence 600 range from 3:30 pm to 9:00 pm on a single day (e.g., January 20, 2002), such a chronological range can be expanded or contracted in accordance with preset or user-defined criteria and to the greatest extent practicable.

In the illustrated embodiment, one card 200n in the sequence 600 is
 20 active or in "focus." In an embodiment, the card 200 associated with the time slot 214 corresponding to the current time (i.e., the card 200 representing live programming as the user addresses the sequence 600) is, as a default condition, in focus. As shown, the active card 200n may be displayed within a focus area
 25 302 of a GUI 110 displayed on the TV 102. Other information associated with the card (e.g., the channel number 204 or text description 212) may or may not be displayed.

In response to one or more user actions, the cards 200 in the sequence 600 are successively displayed within the focus area 302. Where the

sequence 600 is circular, the successive display of cards 200 may continue indefinitely until halted by a subsequent action by the user, as described more fully herein.

The user action to initiate navigation may be pressing and releasing (or pressing and holding down) a button on the remote control 108. For example, the user may press the "Forward" button 126 repeatedly to effectuate a corresponding card-by-card (*i.e.*, program-by-program) navigation of sequence 600 in a first direction (indicated by arrow 604). In the illustrated embodiment of Figure 6, pressing the "Forward" button 126 once will, as indicated by arrow 608, supplant within the focus area 302 the card 200n with card 200r representing a later time slot 214r. The user may likewise press the "Backward" button 128 repeatedly to effectuate a corresponding card-by-card navigation of sequence 600 in a second direction (indicated by arrow 606). In the illustrated embodiment of Figure 6, pressing the "Backward" button 128 once will, as indicated by arrow 610, supplant within the focus area 302 the card 200n with card 200o representing an earlier time slot 214o.

In an embodiment, navigation of sequence 600 may be by preset or user-defined time slot increments (*e.g.*, 30 minutes, 60 minutes, *etc.*), rather than the program-by-program navigation discussed above. In addition, any one visual feature or combination of visual features (*e.g.*, text description 212, graphical representation 202, time slot 214) of cards 200 may change color or otherwise visually convey a different time slot state in response to navigation among cards 200. For example, the text associated with cards 200 representing earlier time slots may be in red, text of cards 200 representing current time slots may be in green, and text of cards 200 representing later time slots may be in blue. Of course, audible state indicators may also be used to provide time slot state information in response to navigation among cards 200.

In an alternative embodiment, the user may press the "Forward" button 126 to initiate a continual successive display in the first direction within the

sequence 600 (indicated by arrow 604), and press the "Backward" button 128 to initiate a continual successive display in the opposite direction (indicated by arrow 606). Alternatively, the user may speak a command into a microphone (either within the STB 106 or remote control 108) to initiate navigation. Of course, the user may initiate navigation in a variety of other ways within the scope of the invention.

In one embodiment, the sequence 600 of cards 200 is successively displayed at a rate selected by the user in the manner described above in connection with sequence 300.

When the user sees displayed a card 200 representing a time slot 214 and/or programming that she desires to select or view, the user may take some additional action to halt the successive display of cards 200. For example, where navigation was initiated by pressing and holding down the "Forward" button 126, the user may release the "Forward" button 126 to discontinue navigation. In an alternative embodiment, where the successive display was initiated simply by pressing a button, the user may press the same or a different button to halt the successive display. Of course, the user may discontinue navigation in a variety of other ways within the scope of the invention.

If the user's reaction time is fast enough, the card 200 representing the desired channel remains displayed in the focus area 302 once navigation is discontinued. However, the user's reaction time may not be fast enough and one or more cards 200 may be subsequently displayed. In such a case, the user may manually backtrack to the desired card 200 by repeatedly activating a suitable control on the remote control 108. For example, briefly pressing the "Forward" or "Backward" buttons 126, 128 may result in the previous or next card 200, respectively, being displayed. Alternatively, as described in greater detail below, the ITV system 100 may determine the delay between the user recognizing the desired card 200 and taking the subsequent action, whereupon the ITV system

100 may compensate for that delay by reverting to a previously-displayed card 200.

5 The user may select or activate the programming associated with the displayed card 200 by taking a selection action. For instance, the user may press the "Select" button 124 on the remote control. Alternatively, the selection action may simply be waiting a set amount of time without activating any controls on the remote control 108.

10 The effect of activating the card 200 will vary depending on the time slot associated with the activated card 200. For instance, if at 7:45 pm on January 20, 2002 card 200n (representing, at such time, a live television program) is selected, the GUI 110 may be replaced by a full-size version of the program described by text description 212n. Alternatively, if at 7:45 pm on January 20, 2002 card 200r (representing, at such time, a television program to be broadcast in a later time slot by the represented network) is selected, the user may, via the GUI 15 110 or otherwise, be offered the opportunity to record, by a personal video recorder or other recording means, the program described by text description 212r. Alternatively, if at 7:45 pm on January 20, 2002 card 200o (representing, at such time, a television program broadcast in an earlier time by the represented network) is selected, the user may, via the GUI 110 or otherwise, be offered the opportunity 20 to view a recorded or otherwise stored version of the program described by text description 212o.

25 As shown in Figure 7, multiple sequences 700a-c of cards 200 may be displayed simultaneously within the GUI 110. For instance, one or more cards 200n, 200o, 200r from a sequence 700a representing both a first television network and the television programs carried by the first television network may be displayed as described in reference to Figure 6. In addition, one or more cards 200s-u from a sequence 700b representing both a second television network and the television programs carried by the second television network may be displayed in a corresponding region (e.g., above the focus area 302) of the GUI 110. In

which are displayed outside of the focus area 302, in order to show the user the available television programming in a 7:30-8:00 pm time slot. In an embodiment, the GUI 110 may include an animated time slot indicator 714 that, in the illustrated example, outlines in boldface the time slot associated with the displayed cards, as well as outlining in phantom the preceding and succeeding contiguous time slots. Of course, other formats, such as a simulated analog clock, may be used for indicator 714 in order to provide programming schedule context to the user.

The user may press, for example, the "Forward" button 126 (as indicated by arrow 708) to simultaneously advance sequences 700a-c ahead 30 minutes, for example, to an 8:00-8:30 pm time slot. Such navigation enables the user to view available future programming represented by, in the example of Figures 7 and 7A, cards 200n, 200u, 200x representing television programming respectively carried by the represented television networks in the 8:00-8:30 pm time slot. The user may likewise press, for example, the "Backward" button 128 (as indicated by arrow 710) to simultaneously advance sequences 700a-c back 30 minutes, for example, to a 7:00-7:30 pm time slot. Such navigation enables the user to view potentially-available previous programming represented by, in the example of Figures 7 and 7A, cards 200o, 200s, 200v representing television programming respectively carried by the represented television networks in the 7:00-7:30 pm time slot.

As shown in the embodiment illustrated in Figure 7B, in response to one or more user actions, cards 200 of the sequences 700a-c can be successively displayed within the focus area 302. Accordingly, the sequences 700a-c may be regarded as being navigable in a sequence 700d. The cards 200 of the sequences 700a-c in any past, present or future time slot can be navigated in order to allow the user to choose from the available viewing options.

For example, at 7:45 pm (as may be indicated by a clock 712 displayed on display screen 104) on January 20, 2002 each of cards 200n, 200t, 200w represent live television programming respectively carried by the

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 1
 represented television networks. Accordingly, at the exemplary 7:45 pm time, card
 200n is displayed in the focus area 302, along with cards 200t, 200w which are
 displayed outside of the focus area 302, in order to show the user the available
 television programming in a 7:30-8:00 pm time slot. As indicated by arrow 720, the
 5 user may press, for example, the "Up" button 116 to move card 200w into the
 focus area 302, thereby moving card 200n into a region above, for example, the
 focus area 302. Such navigation enables the user to select card 200w. As
 indicated by arrow 718, the user may likewise press, for example, the "Down"
 10 button 118 to move card 200t into the focus area 302, thereby moving card 200n
 into a region below, for example, the focus area 302. Such navigation enables the
 user to select card 200t.

As is similarly the case with sequence 600, if a card 200 representing
 a live television program is selected from any of sequences 700a-c, the GUI 110
 may be replaced by a full-size version of the program described by the
 15 corresponding text description 212. Alternatively, if a card 200 representing a
 television program to be broadcast at a future time is selected from any of
 sequences 700a-c, the user may, via the GUI 110 or otherwise, be offered the
 opportunity to record, by a personal video recorder or other recording means, the
 program described by the corresponding text description 212. Alternatively, if a
 20 card 200 representing a television program broadcast at an earlier time is selected
 from any of sequences 700a-c, the user may, via the GUI 110 or otherwise, be
 offered the opportunity to view a recorded or otherwise stored version of the
 program described by the corresponding text description 212.

Referring to Figure 8, a plurality of cards 200 may be arranged or
 25 grouped together in a package or sequence 800. In the illustrated embodiment,
 the cards 200y, 200z, 200aa, 200bb, 200cc in the sequence 800 represent a single
 television program (e.g., "JAG"), as indicated by the text description 212p, and the
 television network/station, as indicated by the graphical representations 202b,
 202p carrying the television program. In an alternative embodiment, the graphical

representation 202b, 202p depicting the television network/station represented by cards 200 may be replaced by or supplemented with a graphical representation 202 of the represented television program. The sequence 800 may be generated, for example, through a search capability associated with ITV system 100 in response to a user-initiated search for a selection of instances in which the particular television program is broadcast. Such a selection of which sequence 800 is comprised may include solely or any combination of previously-, currently-, or to-be-broadcast episodes of the television program.

In response to one or more user actions, the cards 200 in the sequence 800 are successively displayed within the focus area 302. Where the sequence 800 is circular, the successive display of cards 200 may continue indefinitely until halted by a subsequent action by the user, as described more fully herein.

The user action to initiate navigation may be pressing and releasing (or pressing and holding down) a button on the remote control 108. For example, the user may press the "Forward" button 126 repeatedly to effectuate a corresponding card-by-card (*i.e.*, episode-by-episode) navigation of sequence 800 in a first direction (indicated by arrow 804). In the illustrated embodiment of Figure 8, pressing the "Forward" button 126 once will, as indicated by arrow 808, supplant within the focus area 302 the card 200y with card 200z representing a later time slot 214z, which may represent the next instance of a future broadcast of the television program. The user may likewise press the "Backward" button 128 repeatedly to effectuate a corresponding card-by-card navigation of sequence 800 in a second direction (indicated by arrow 806). In the illustrated embodiment of Figure 8, pressing the "Backward" button 128 once will, as indicated by arrow 810, supplant within the focus area 302 the card 200y with card 200aa representing an earlier time slot 214o, which may represent the most recent instance of a previous broadcast of the television program. Of course, as is the case with the sequences

cycle the horizontally-displayed sequence 300b to bring one of the corresponding cards 200g-k into the focus area 302.

In one implementation, bringing a card 200 from one sequence 300 into the focus area 302 will determine or change which other sequence 300 is displayed. For example, bringing the card 200h (TV representation) from the horizontal sequence 300b into focus may result in the vertical sequence 300a (television programs) being displayed. Alternatively, bringing the card 200g (envelope representation) into focus may result in a vertical sequence 300 (not shown) corresponding to e-mail messages or contacts. Likewise, bringing the card 200i (videophone representation) into focus may result in a vertical sequence 300 of a videoconferencing buddy list, while the card 200j (VCR representation) may display a vertical sequence 300 of television programs recorded by a PVR. In alternative embodiments, a selection from a vertical sequence 300 may affect which horizontal sequence 300 is displayed.

As shown in Figure 10, the intersection of two displayed sequences 300a-b may generate quadrants 1000 that may be used for various purposes. In one embodiment, the quadrants 1000 are context-sensitive regions that display supplemental information, advertising, or the like, depending on the card 200 in the focus area 302. In other embodiments, one or more quadrants 1000 may display information targeted to the user based on user profile information within the ITV system 100.

In the depicted embodiment, the lower right quadrant 1000a may contain detailed information about the card 200 being displayed in the focus area 302. In the case of a card 200 representing a television program, the quadrant 1000a may display information taken from the channel number 204, channel name or identifier 206, starting time 208, running time 210, and/or text description 212 associated with the card 200.

The upper right quadrant 1000b may include context-sensitive, context-insensitive, or user-targeted information. For example, in an episode of

"3rd Rock from the Sun" featuring Dick Solomon driving a new BMW, a corresponding advertisement may be shown. The advertisement may be displayed in response to receipt of an ATVEF trigger, although other mechanisms may be used within the scope of the invention.

5 The upper left quadrant 1000c may be used for branding purposes. For instance, as shown in Figure 10, the quadrant 1000c may show a logo for a cable or satellite provider associated with the ITV system 100. In certain implementations, the quadrant 1000c may be context-sensitive, displaying branding corresponding to the particular vertical and/or horizontal sequences
10 300a-b or cards 200 being displayed.

 Finally, the lower left quadrant 1000d may be used to display system notes and instructional text. For example, where the user is navigating a sequence 300a of cards 200 corresponding to television programs, instructional text may be provided that prompts the user to select a television program.

15 The size of the quadrants 1000 may vary depending, for instance, on the location of the intersection of the displayed sequences 300a-b. If the intersection is near the center of the GUI 110, the quadrants may be equal in size; otherwise, the relative sizes of the quadrants 1000 may vary.

 In alternative embodiments, a single vertical or horizontal sequence
20 300a-b may result in the creation of hemispheres (not shown) rather than quadrants 1000. In still other embodiments, multiple vertical or horizontal sequences 300a-b may result in the creation of any number of context-sensitive regions.

 As illustrated in Figure 11, different types of cards 200 may be
25 included within a single sequence 300. For example, cards 200c-f may correspond to television programs, while card 200m represents a purchase opportunity. In the depicted embodiment, card 200m includes a graphical representation 202m (advertisement), as well as a link or network address 1122, such as a uniform resource locator (URL), to a commercial website.

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If the card 200m remains in the focus area 302 for a sufficiently long period, or if the user presses the "Select" button 124, the displayed sequence 300 may be replaced by a web browser 1124, which is automatically directed to the network address 1122 associated with the card 200m. Thereafter, the user may elect to proceed with the purchase opportunity or return to the displayed sequence 300 of cards 200.

Referring to Figure 12, there are shown three timing diagrams 902, 904, 906 illustrating the successive display of cards 200 according to embodiments of the invention. Each vertical line within the timing diagrams represents a moment in time at which a particular card 200 is displayed. In diagram 902, after a single user action, cards 200 are successively displayed at moments 906, 908, 910, and so on. When the user takes some additional action to discontinue navigation, the successive display of cards 200 may be halted at moment 912.

In certain instances, the ITV system 100 may automatically compensate for the user's delayed response by reverting to a previously displayed card 200 once the user halts the successive display. For example, if a card 200 representing a desired channel is displayed within the GUI 110 at moment 912, but the user takes the additional action to discontinue navigation at moment 914, the ITV system 100 may be configured to automatically revert to the card 200 displayed a suitable amount of time 916 before the action was taken. The amount of time may be preset or user-defined, or may be calculated based on historical user reaction times.

The rate at which the cards 200 are successively displayed may be increased in response to the user taking a suitable action. For example, as shown in timing diagram 904, the rate at which cards 200 are successively displayed may gradually increase from a minimum rate 918 to a maximum rate 920 (preferably at or below the user's image recognition limit). Alternatively, as shown in timing diagram 906, the display rate may increase from a minimum rate 922 to an intermediate rate 924 to a maximum rate 926 according to a stepwise function.

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The user action to increase the display rate may take many forms, such as holding down a button on the remote control 108 for a set amount of time. In such case, the rate may be increased based on how long the button is held down. Alternatively, the user may increase the display rate by repeatedly pressing a button on the remote control 108, in which case the rate may be increased each time the button is pressed.

Figure 13 is a schematic block diagram of an STB 106 according to an embodiment of the invention. The illustrated components may be logical or physical and may be implemented using any suitable combination of hardware, software, and/or firmware.

In one configuration, the STB 106 includes a network interface 1002 for communicating with a broadband network, such as a cable television network or a DBS (Direct Broadcast Satellite) network. The network interface 1002 may conform to the DOCSIS (Data Over Cable Service Interface Specification) or DAVIC (Digital Audio-Visual Council) cable modem standards. Additionally, the network interface 1002 may include standard circuitry for receiving MPEG (Moving Picture Experts Group) streams including multiplexed television programs and data from the broadband network. One or more sequences 300, 600, 700, 800 of cards 200 may be received by the interface 1002 from a server accessible via the broadband network or the Internet.

The STB 106 further includes a memory 1004, such as a random access memory (RAM) and/or read-only memory (ROM). The memory 1004 may store an operating system (OS) for the STB 106 (e.g., Windows CE® or Linux®), application program code, and various types of data. In one embodiment, the memory 1004 stores one or more sequences 300, 600, 700, 800 of cards 200. In other embodiments, the sequences 300, 600, 700, 800 may be stored within a mass storage device 1006, such as a hard disk drive, optical storage device, or the like.

An input interface 1008 may be provided for receiving commands from an input device, such as a remote control 108. In one embodiment, the input interface 1008 may include or be associated with the wireless receiver 114 described in connection with Figure 1. The input interface 1008 may detect a single user action for initiating navigation, such as the user pressing the “Up” or “Down” buttons 116, 118 on the remote control 108.

The STB 106 may further include a display interface 1010 for generating a GUI 110 on an attached TV 102 or other display device. In addition, the display interface 1010 may be responsible for successively displaying cards 200 from one or more stored sequences 300, 600, 700, 800 in a focus area 302 of the GUI 110 in response to the single user action being detected by the input interface 1008, as previously described. Likewise, the display interface 1010 may be responsible for halting the successive display in response to detection of a subsequent user action.

A tuner 1012 may be included for demodulating and demultiplexing selected MPEG streams received by the STB 106 from the broadband network. The tuner 1012 may be used to tune to a particular television program in response to a user selection of a card 200, e.g., in response to the user pressing the “Select” button 124 or when the user “lingers” on a card 200 in the focus area 302.

A CPU 1014 controls the operation of the STB 106, including the other components described above, which may be in electrical communication with the CPU 1014 via a bus 1016. The CPU 1014 may be embodied as a microprocessor, a microcontroller, a digital signal processor (DSP) or other device known in the art. For instance, the CPU 1014 may be embodied as an Intel® x86 processor. The CPU 1014 may perform logical and arithmetic operations based on program code stored within the memory 1004 or the mass storage device 1006.

Although not shown in Figure 13, the STB 106 may include other components that allow the STB 106 to communicate with and/or control, via either

wireless or other means, multiple televisions, personal computers, and other media storage and presentation devices within a network or location.

Of course, Figure 13 illustrates only one possible configuration of an STB 106. Those skilled in the art will recognize that various other architectures and components may be provided within the scope of the invention. In addition, various standard components are not illustrated in order to avoid obscuring aspects of the invention.

Referring to Figure 14, there is shown a flowchart of a method 1100 for focused navigation of a plurality of options within a GUI 110. The method 1100 begins by storing 1102 at least one of sequences 300, 600, 700, 800 of cards 200 representing channels or other available options within an ITV system 100.

In one configuration, the method 1100 waits 1104 for user input. When a single user action is detected 1106, as previously discussed, the cards 200 from the sequence 300, 600, 700, 800 are successively displayed 1108 in a focus area 302 of the GUI 110. This successive display continues until a subsequent user action is detected 1110, at which point the successive display is discontinued and a single card 200 corresponding to a selected option is displayed 1112 within the focus area 302.

Thereafter, depending on the particular type of card 200, various actions may be taken if the user actively selects the card 200 (e.g., presses the "Select" button 124 on the remote control 108) or waits beyond an established time period to either select the card 200, continue navigation, or take some other action. For example, a card 200 in the focus area 302 may be replaced by a video window 402 showing a live television program after a period of inaction (lingering) by the user.

All of the above U.S. patents, U.S. patent application publications, U.S. patent applications, foreign patents, foreign patent applications and non-patent publications referred to in this specification and/or listed in the Application Data Sheet, are incorporated herein by reference, in their entirety.

CLAIMS

What is claimed is:

1. A method for navigation of television program listings within a user interface, the method comprising:

successively displaying a first set of visual cards in a first area of the user interface, each visual card of the first set of visual cards representing a corresponding broadcast time slot associated with a graphically represented first card characteristic; and

enabling selection of a particular visual card of the first set of visual cards by a user in order to view a television program corresponding to the time slot represented by the selected visual card.

2. The method of claim 1, further comprising storing the first set of visual cards.

3. The method of claim 1, further comprising discontinuing the successive display of the first set of visual cards.

4. The method of claim 1, wherein the card characteristic comprises a broadcast television channel.

5. The method of claim 1, wherein the card characteristic comprises a broadcast television network.

6. The method of claim 1, wherein the card characteristic comprises the television program.

7. The method of claim 1, wherein each broadcast time slot is 30 minutes in length.
8. The method of claim 1, wherein the successive display of visual cards is in response to a single user action.
9. The method of claim 8, wherein selection of a particular visual card is in response to an additional user action.
10. The method of claim 1, wherein selection of a particular visual card is in response to a single user action.
11. The method of claim 1, further comprising successively displaying a second set of visual cards in a second area of the user interface, each visual card of the second set of visual cards representing a corresponding broadcast time slot associated with a graphically represented second card characteristic.
12. The method of claim 11, further comprising storing the second set of visual cards.
13. The method of claim 11, further comprising discontinuing the successive display of the second set of visual cards.
14. The method of claim 11, wherein the first and second sets of visual cards are simultaneously successively displayed.
15. The method of claim 14, wherein the time slot corresponding to the displayed first set visual card and the time slot corresponding to the displayed second set visual card are identical.

16. The method of claim 11, wherein the second card characteristic comprises a broadcast television channel.

17. The method of claim 11, wherein the second card characteristic comprises a broadcast television network.

18. The method of claim 11, wherein the second card characteristic comprises a television program.

19. The method of claim 1, wherein each broadcast time slot is associated with a corresponding episode of a plurality of episodes of the television program.

20. The method of claim 1, wherein each broadcast time slot is defined by the television program broadcast therein.

21. The method of claim 1, wherein the time slot represented by the selected visual card is one of an earlier, current or future time slot.

22. A system for focused navigation of a plurality of television programs within a user interface, the system comprising:

a user input detector configured to detect actions of a user; and

a processor configured to successively display a first set of visual cards in a first area of the user interface, each visual card of the first set of visual cards representing a corresponding broadcast time slot associated with a graphically represented first card characteristic, the processor further configured to enable selection of a particular visual card of the first set of visual cards by the user in order to view a television program corresponding to the time slot represented by the selected visual card.

23. The system of claim 22, further comprising a storage device configured to store the visual cards.

24. The system of claim 22, wherein the processor is further configured to discontinue the successive display of the first set of visual cards.

25. The system of claim 22, wherein the card characteristic comprises a broadcast television channel.

26. The system of claim 22, wherein the card characteristic comprises a broadcast television network.

27. The system of claim 22, wherein the card characteristic comprises the television program.

28. The system of claim 22, wherein each broadcast time slot is 30 minutes in length.

29. The system of claim 22, wherein the processor successively displays the visual cards in response to a single user action.

30. The system of claim 29, wherein selection of a particular visual card is in response to an additional user action.

31. The system of claim 22, wherein selection of a particular visual card is in response to a single user action.

32. The system of claim 22, wherein the processor is further configured to successively display a second set of visual cards in a second area of the user interface, each visual card of the second set of visual cards representing a

corresponding broadcast time slot associated with a graphically represented second card characteristic.

33. The system of claim 32, further comprising a storage device configured to store the second set of visual cards.

34. The system of claim 32, wherein the processor is further configured to discontinue the successive display of the second set of visual cards.

35. The system of claim 32, wherein the processor is further configured to simultaneously successively display the first and second sets of visual cards.

36. The system of claim 35, wherein the time slot corresponding to the displayed first set visual card and the time slot corresponding to the displayed second set visual card are identical.

37. The system of claim 32, wherein the second card characteristic comprises a broadcast television channel.

38. The system of claim 32, wherein the second card characteristic comprises a broadcast television network.

39. The system of claim 32, wherein the second card characteristic comprises a television program.

40. The system of claim 22, wherein each broadcast time slot is associated with a corresponding episode of a plurality of episodes of the television program.

41. The system of claim 22, wherein each broadcast time slot is defined by the television program broadcast therein.

42. The system of claim 22, wherein the time slot represented by the selected visual card is one of an earlier, current, or future time slot.

43. A method for navigation of television program listings within a user interface, the method comprising:

successively displaying a first set of visual cards in a first area of the user interface, at least one visual card of the first set of visual cards representing an interactive television channel;

successively displaying a second set of visual cards in the first area of the user interface, each visual card of the second set of visual cards representing a corresponding broadcast time slot associated with a graphically represented first card characteristic; and

enabling selection of a particular visual card of the second set of visual cards by a user in order to view a television program corresponding to the time slot represented by the selected visual card.

44. The method of claim 43, wherein the user enables the successive display of the second set of visual cards by selecting a particular visual card of the first set of visual cards.

45. The method of claim 43, wherein the card characteristic comprises a broadcast television channel.

46. The method of claim 43, wherein the card characteristic comprises a broadcast television network.

47. The method of claim 43, wherein the card characteristic comprises the television program.

48. An article of manufacture comprising:

a carrier signal adapted to carry data, the data functionally related to the carrier signal such that a first set of visual cards is successively displayed in a first area of a user interface, each visual card of the first set of visual cards representing a corresponding broadcast time slot associated with a graphically represented first card characteristic, the data further functionally related to the carrier signal such that selection of a particular visual card of the first set of visual cards by a user is enabled in order to view a television program corresponding to the time slot represented by the selected visual card.

49. The article of manufacture of claim 48, wherein the first card characteristic is one of a broadcast television channel, a broadcast television network, or the television program.

50. A system for focused navigation of a plurality of television programs within a user interface, the system comprising:

means for successively displaying a first set of visual cards in a first area of the user interface, each visual card of the first set of visual cards representing a corresponding broadcast time slot associated with a graphically represented first card characteristic; and

means for enabling selection of a particular visual card of the first set of visual cards by a user in order to view a television program corresponding to the time slot represented by the selected visual card.

51. The system of claim 50, wherein the first card characteristic is one of a broadcast television channel, a broadcast television network, or the television program.

ABSTRACT OF THE DISCLOSURE

A sequence of cards is stored that graphically represents available options within an information system. In response to a single user action, the sequence of cards is successively displayed within a focus area of the user interface. In response to a subsequent user action, the successive display is discontinued to display a particular card representing a selected option.

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260042.501/280950_1.DOC

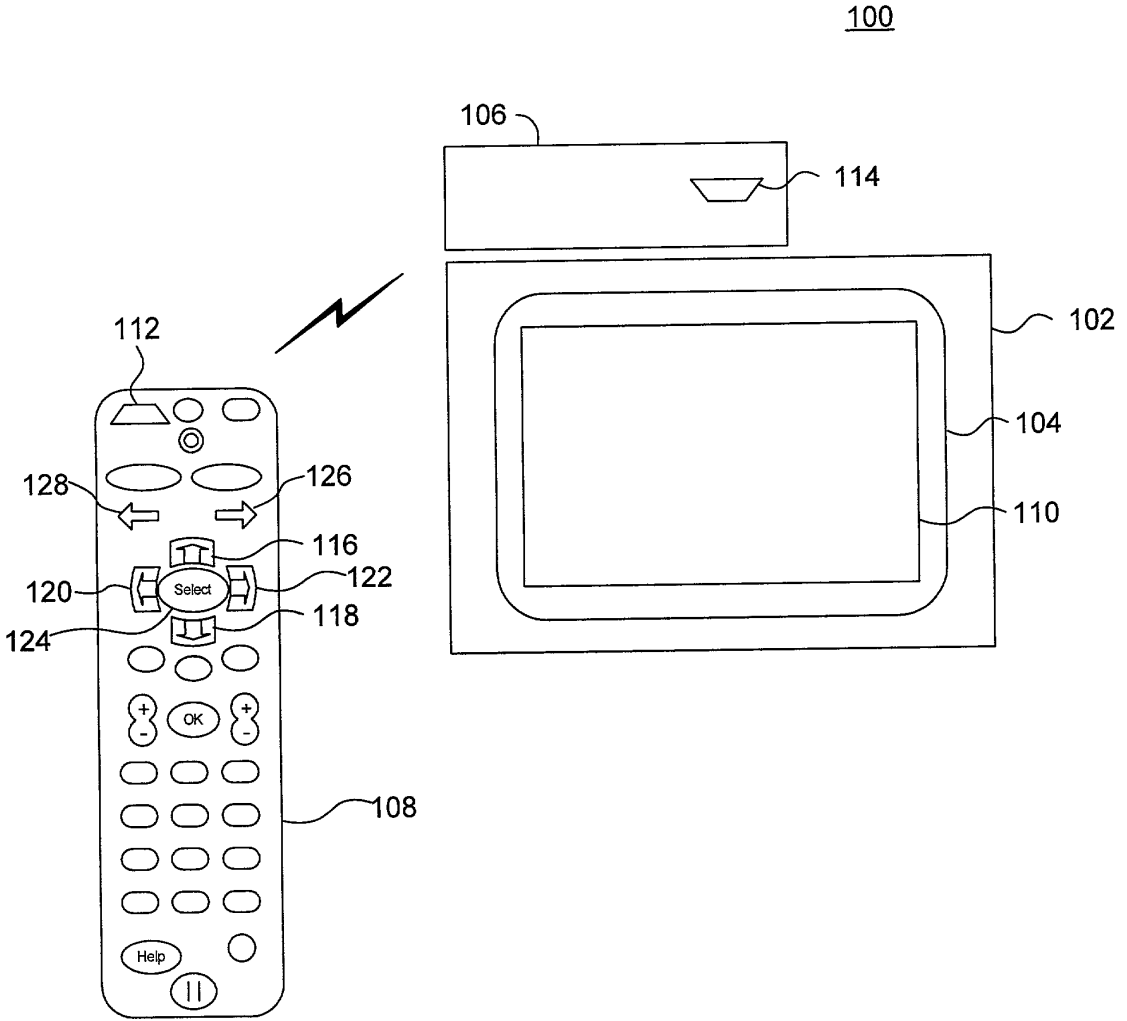


FIG. 1

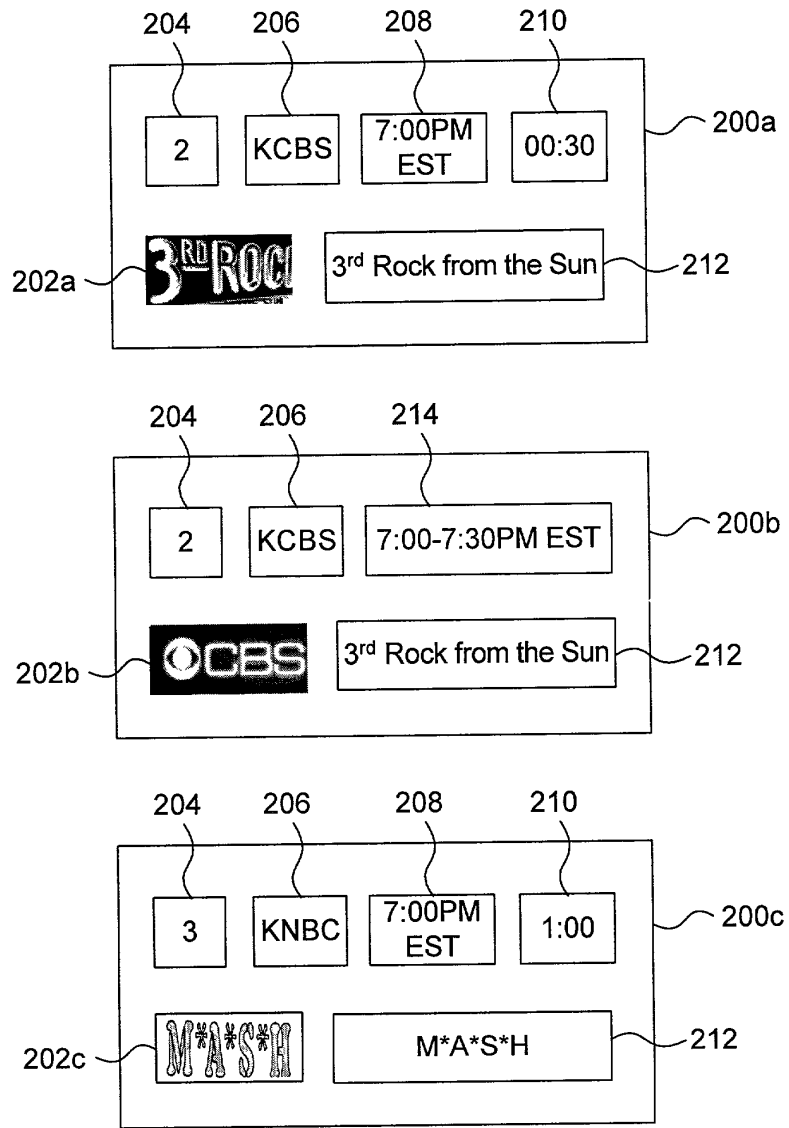


FIG. 2

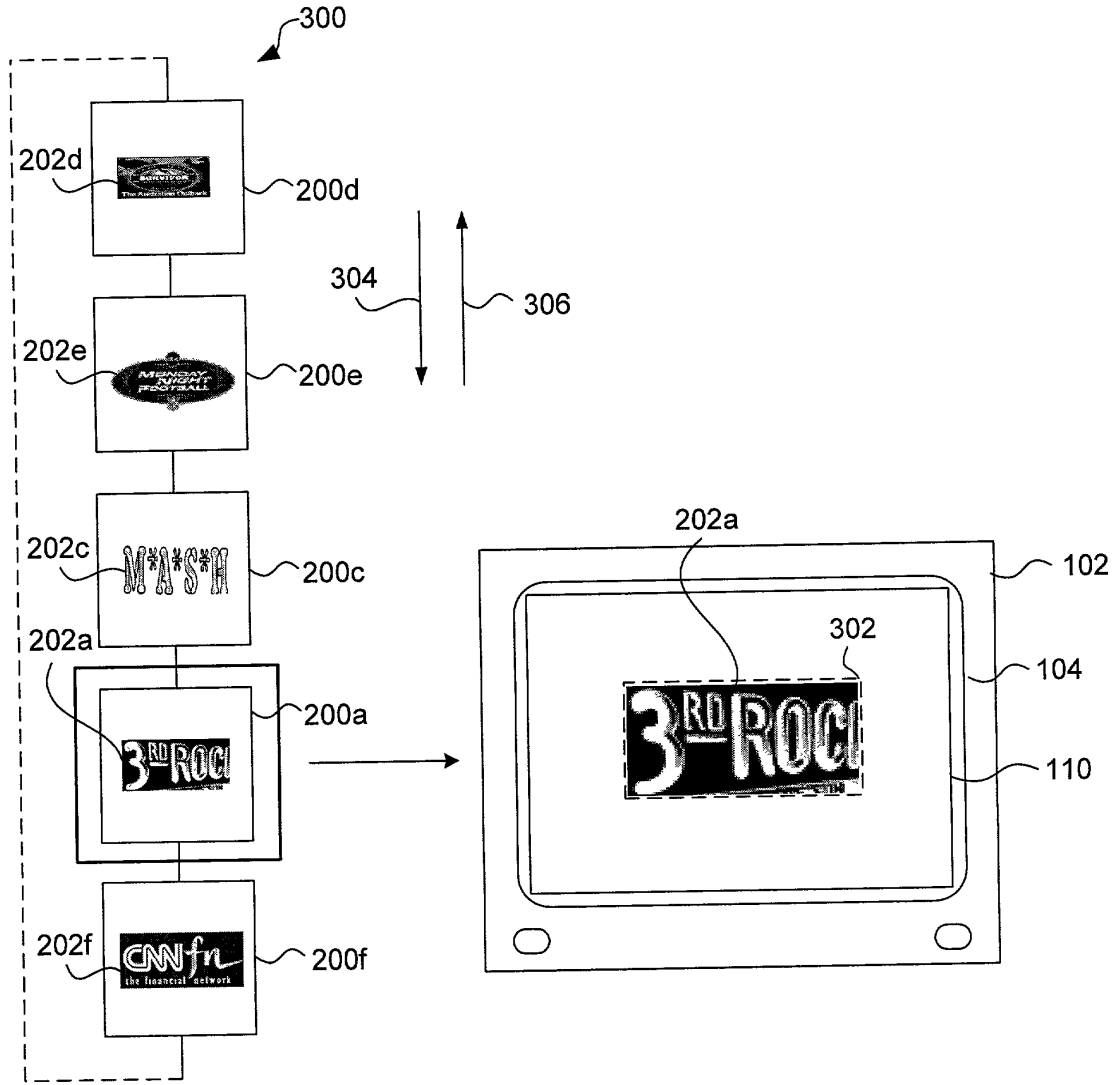


FIG. 3

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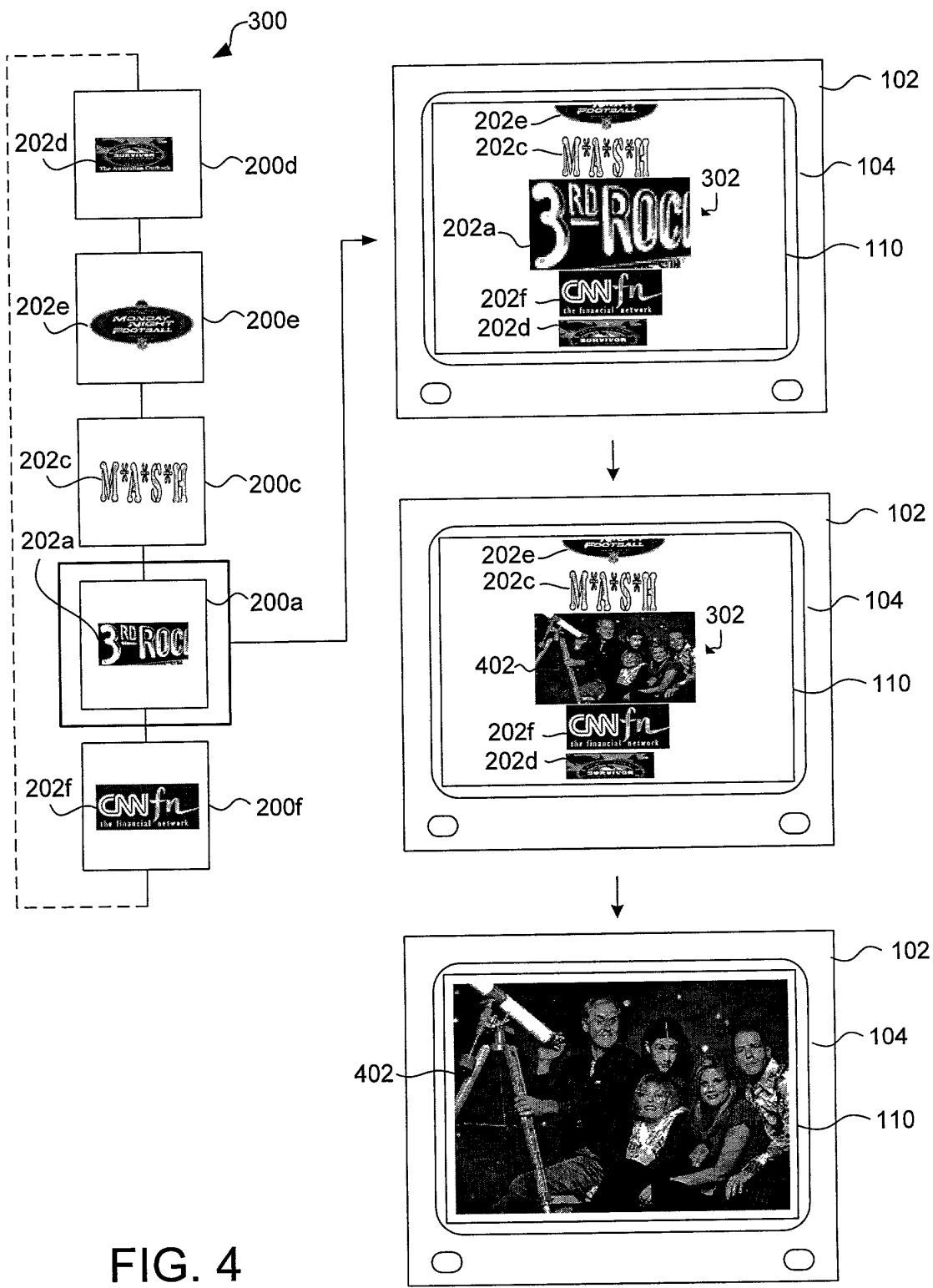


FIG. 4

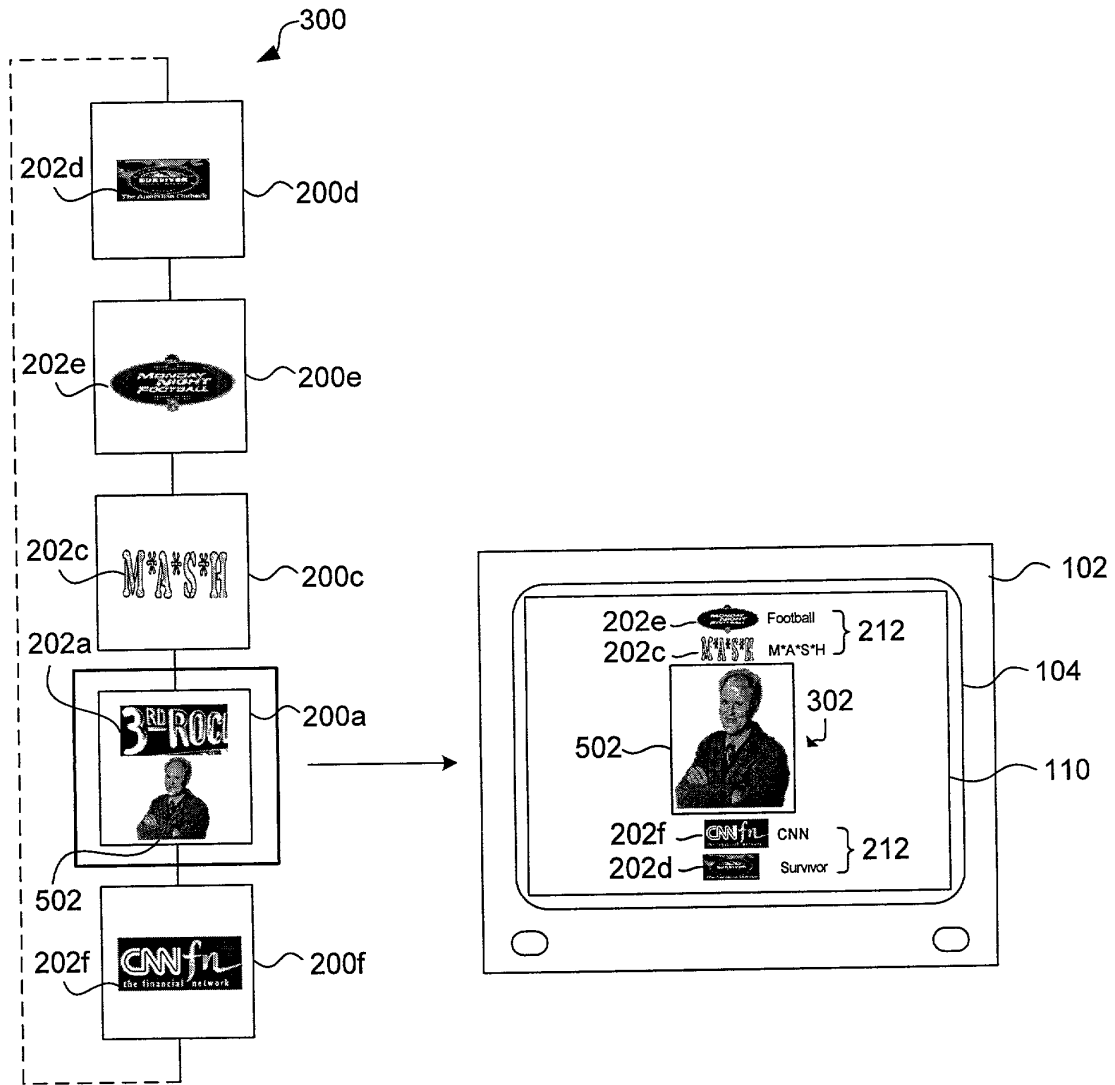


FIG. 5

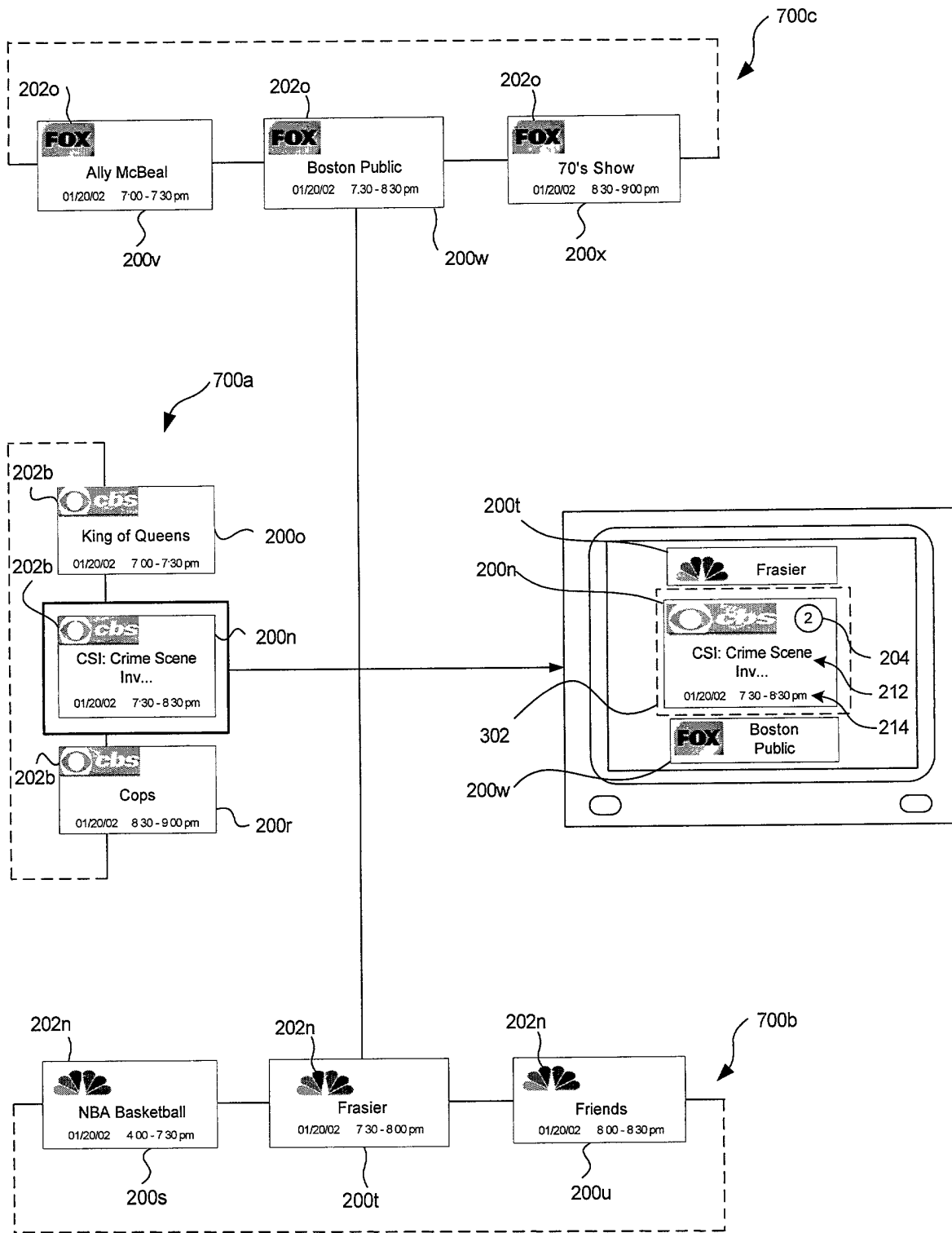


FIG. 7

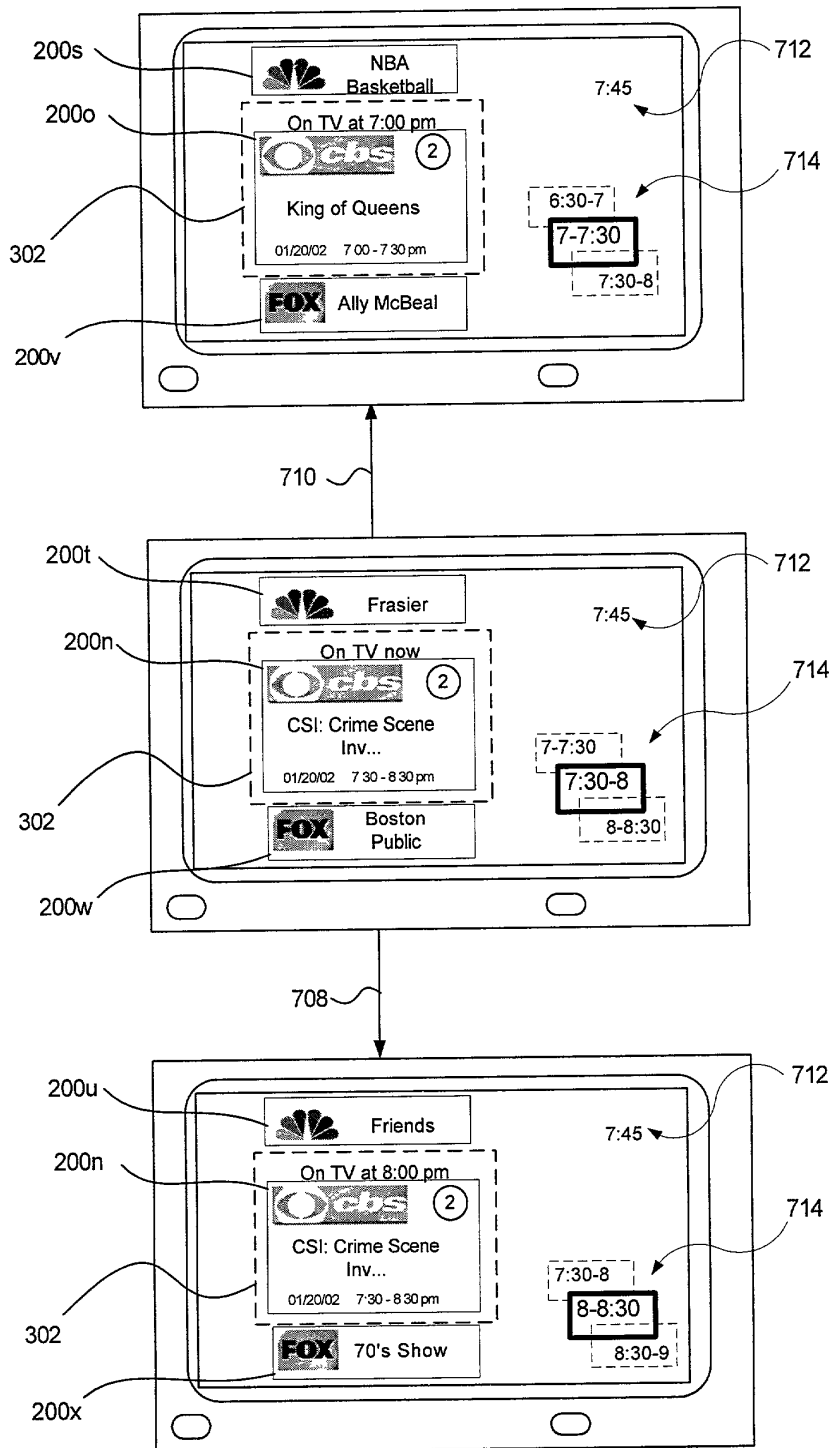


FIG. 7A

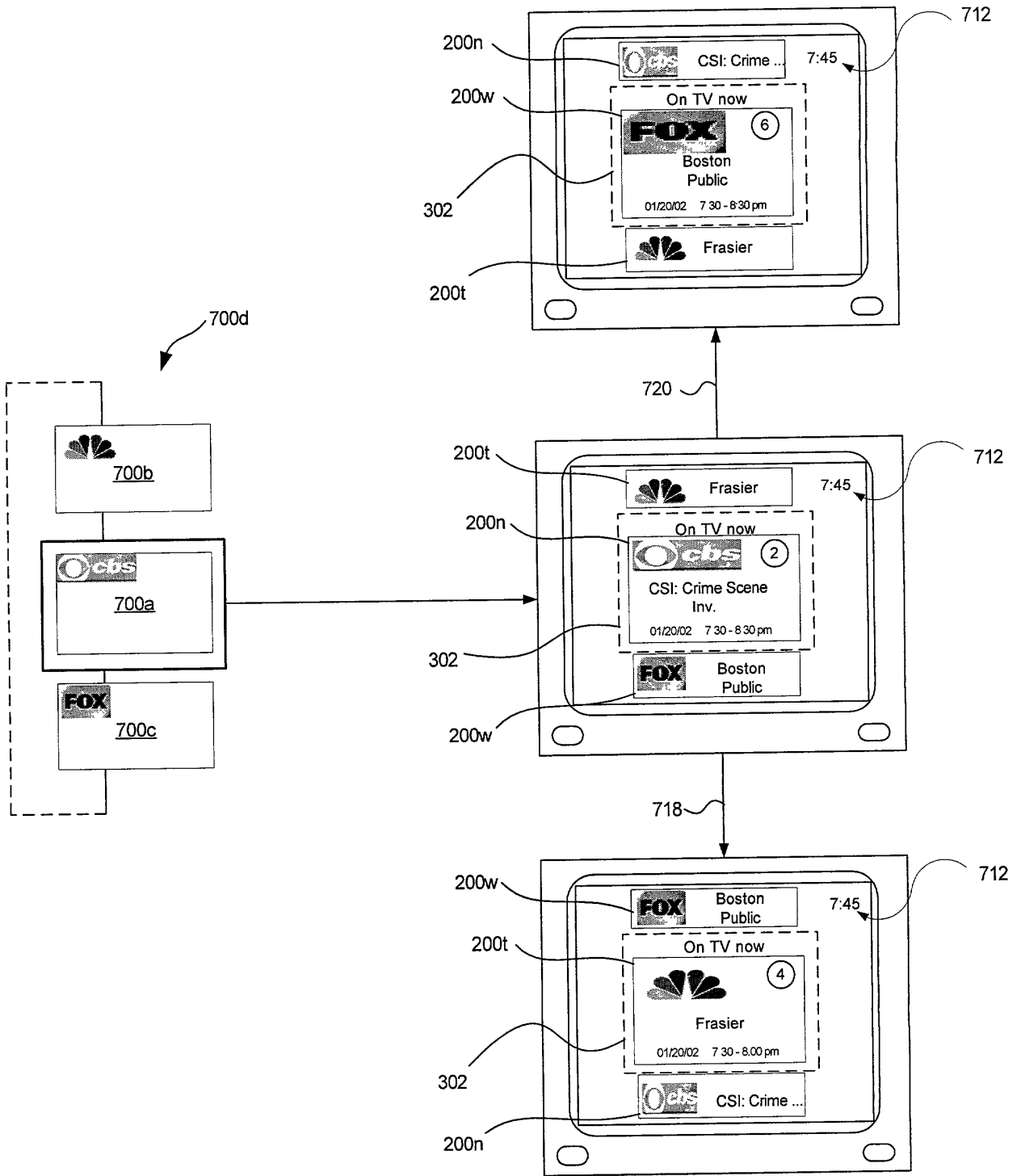


FIG. 7B

"JAG" OF TBS

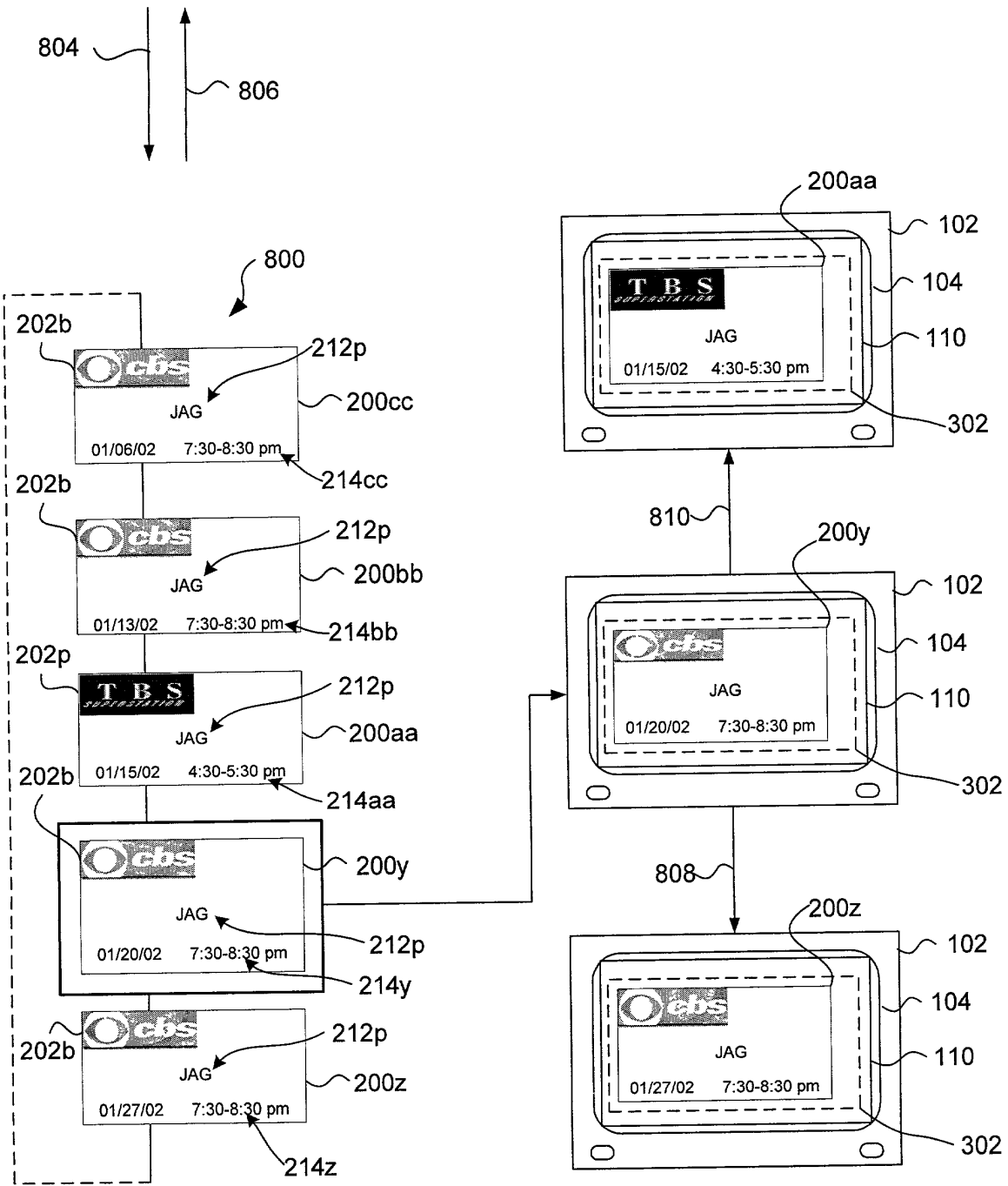


FIG. 8

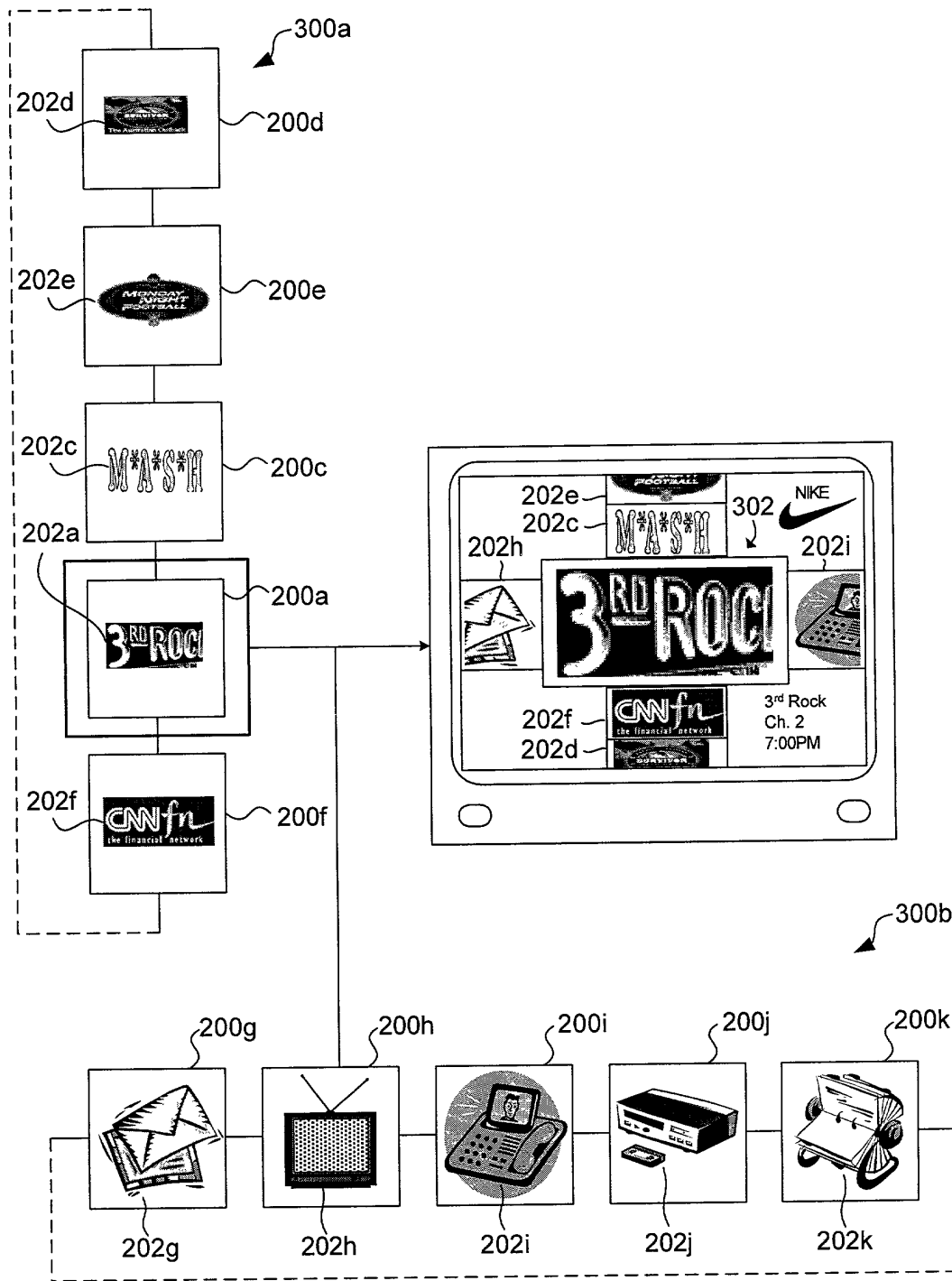


FIG. 9

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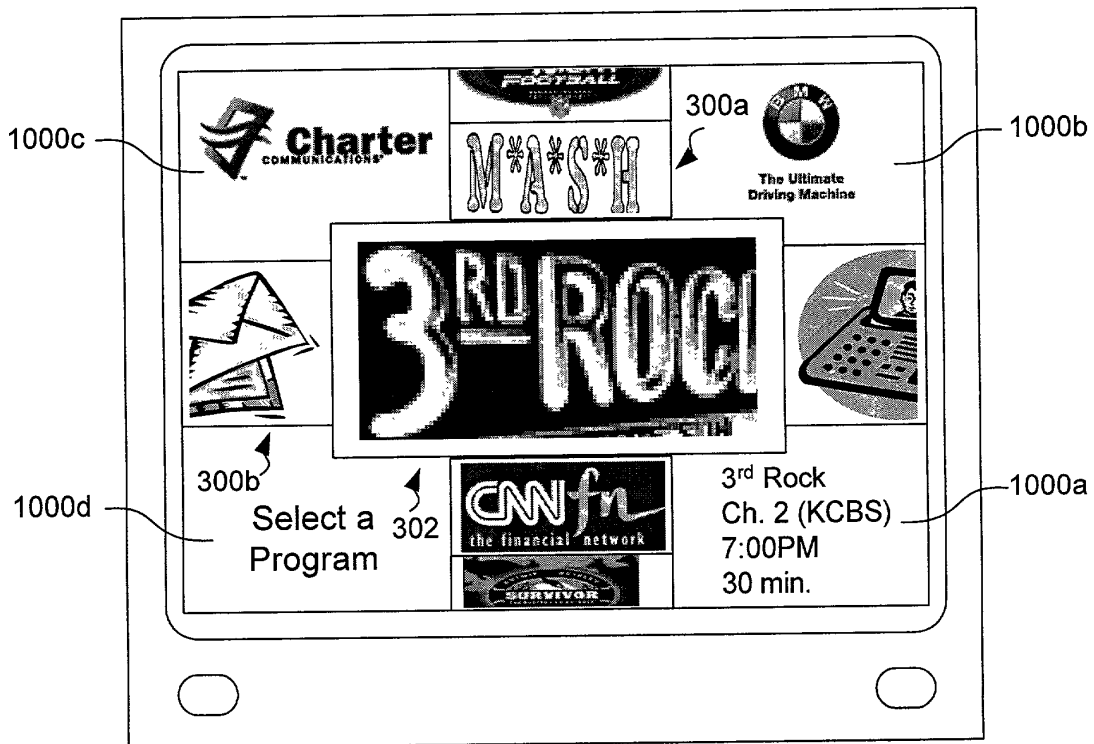


FIG. 10

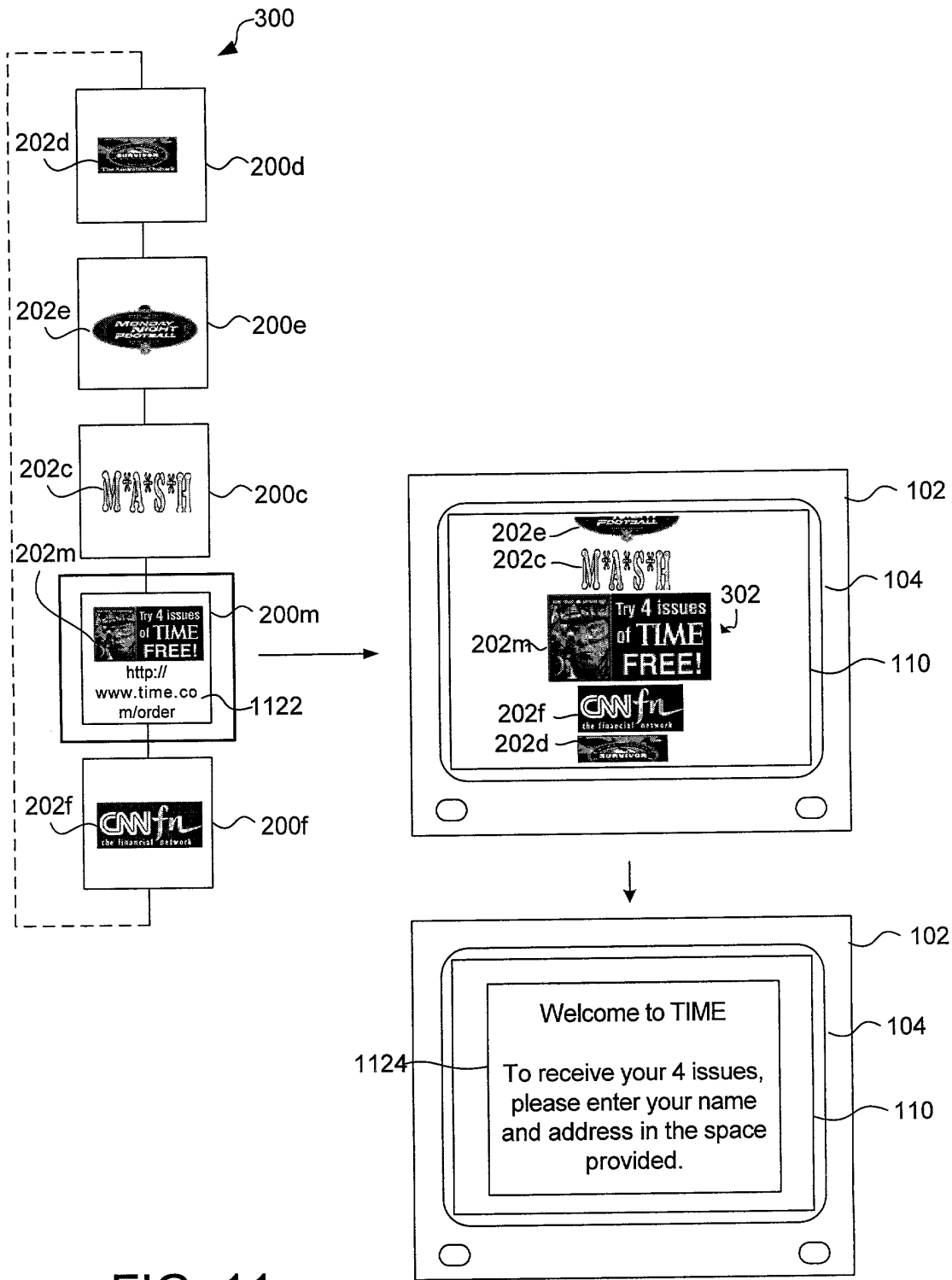
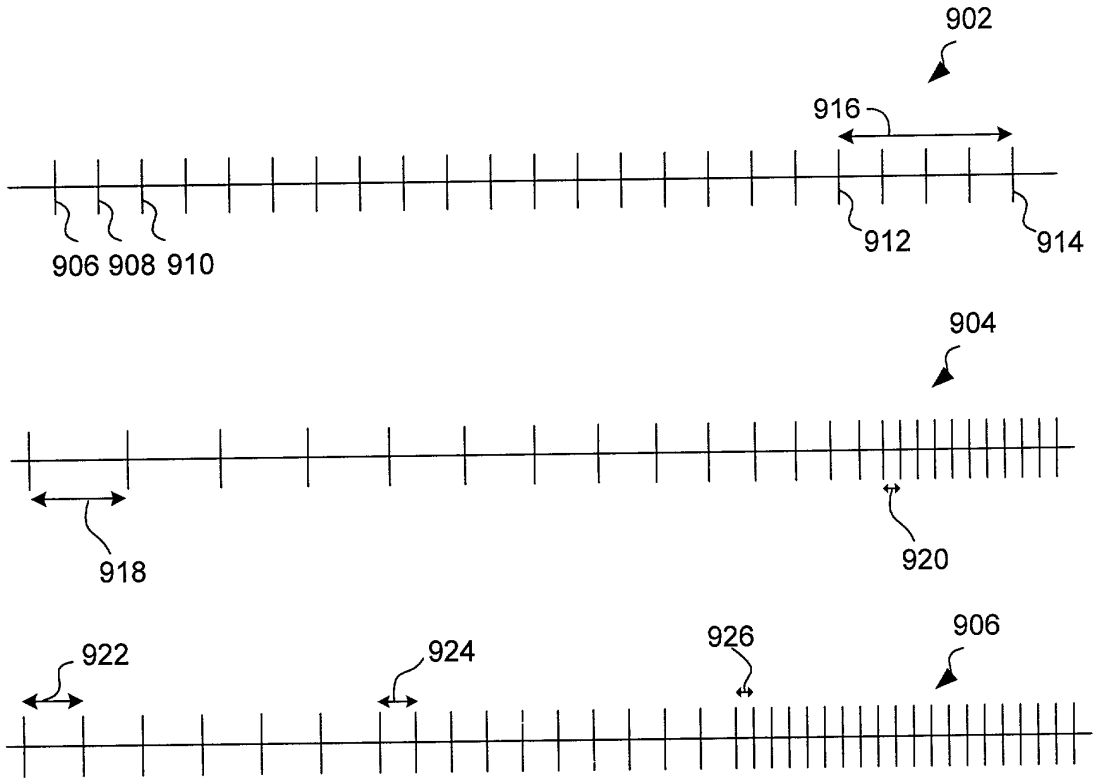


FIG. 11



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FIG. 12

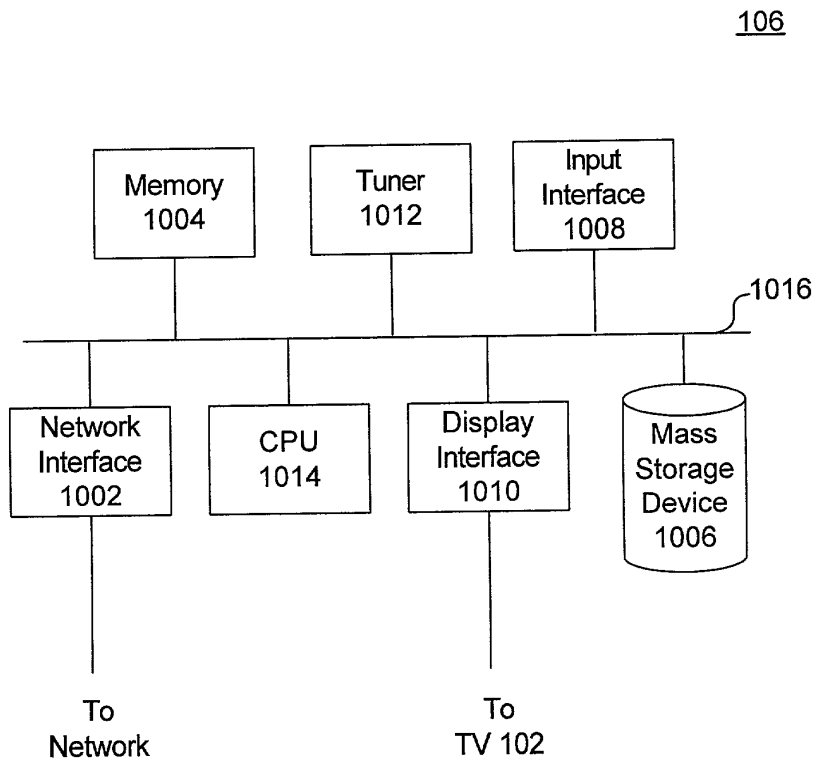


FIG. 13

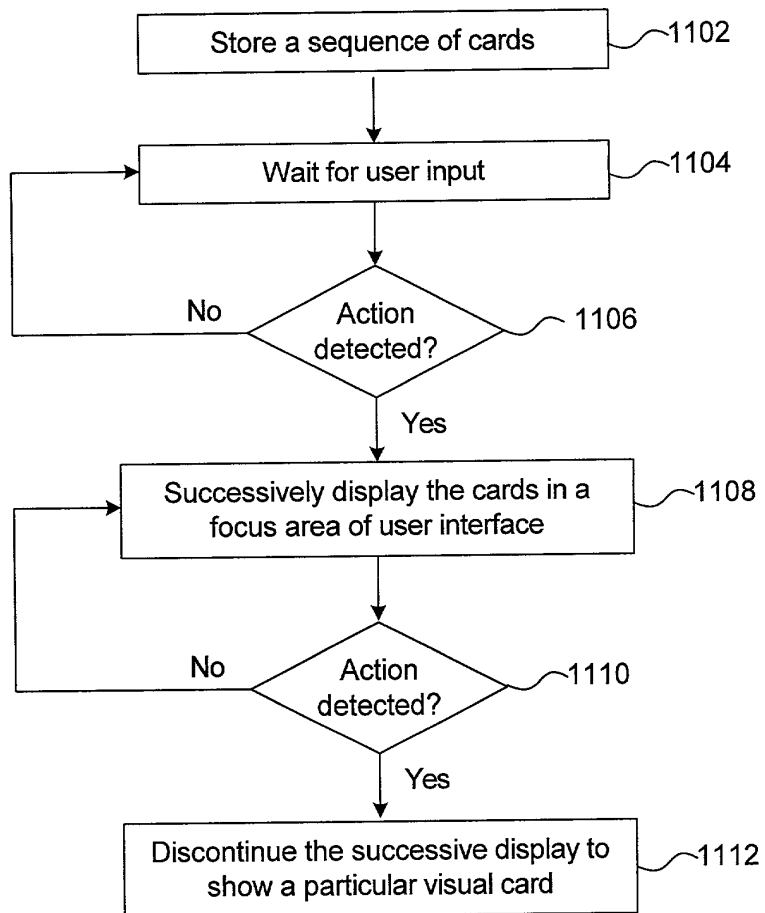
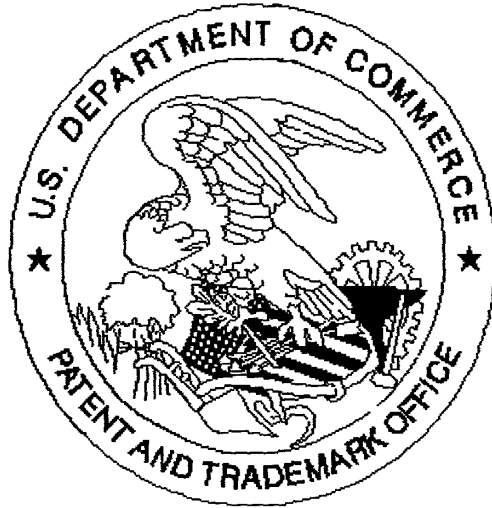


FIG. 14

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Application deficiencies found during scanning:

Page(s) _____ of _____ were not present
for scanning. (Document title)

Page(s) _____ of _____ were not present
for scanning. (Document title)

Scanned copy is best available. Some drawings are too dark.

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PATENT APPLICATION FEE DETERMINATION RECORD
Effective October 1, 2001

Application or Docket Number

46138810

CLAIMS AS FILED - PART I

(Column 1) (Column 2)

TOTAL CLAIMS	51	
FOR	NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS	51 minus 20 = *	31
INDEPENDENT CLAIMS	5 minus 3 = *	2
MULTIPLE DEPENDENT CLAIM PRESENT <input type="checkbox"/>		

* If the difference in column 1 is less than zero, enter "0" in column 2

SMALL ENTITY TYPE OR OTHER THAN SMALL ENTITY

RATE	FEE	OR	RATE	FEE
BASIC FEE	370.00	OR	BASIC FEE	740.00
X\$ 9=		OR	X\$18=	558
X42=		OR	X84=	168
+140=		OR	+280=	
TOTAL		OR	TOTAL	

CLAIMS AS AMENDED - PART II

(Column 1) (Column 2) (Column 3)

AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	*	Minus	**
	Independent	*	Minus	***
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>				

SMALL ENTITY OR OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
X\$ 9=		OR	X\$18=	
X42=		OR	X84=	
+140=		OR	+280=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

(Column 1) (Column 2) (Column 3)

AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	*	Minus	**
	Independent	*	Minus	***
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>				

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
X\$ 9=		OR	X\$18=	
X42=		OR	X84=	
+140=		OR	+280=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

(Column 1) (Column 2) (Column 3)

AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	*	Minus	**
	Independent	*	Minus	***
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>				

RATE	ADDITIONAL FEE	OR	RATE	ADDITIONAL FEE
X\$ 9=		OR	X\$18=	
X42=		OR	X84=	
+140=		OR	+280=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

CLAIMS ONLY

SERIAL NO. 10138810	FILING DATE
APPLICANT(S)	

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT		*		*		*	
	IND.	DEP.	IND.	DEP.	IND.	DEP.	IND.	DEP.	IND.	DEP.	IND.	DEP.
1	1											
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TOTAL IND.							5					
TOTAL DEP.							46					
TOTAL CLAIMS							51					

* MAY BE USED FOR ADDITIONAL CLAIMS OR ADMDMENTS