


Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)	Attorney Docket No.:	Application Number:
	60097-0027	09/935,426
	First Named Inventor:	
	David Lockett, et al.	
Filing Date:		
August 22, 2001		

OTHER ART – NO PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
		MACWEEK NEWS article entitled, "QuickTime Ready for Prime Time", dated December 10, 1991 (2 pages, numbered TIVO-410797 & TIVO-410798).	
		HEWLETT PACKARD LABORATORIES Technical Report entitled "UNIX Disk Access Patterns", by Chris Ruemmler and John Wilkes, HPL-92-152, dated December 1992 (pgs. 405-420), © Hewlett-Packard Company 1992.	
		HARKER, J.M. et al, "A Quarter Century of Disk File Innovation", IBM J. Res. Develop., Vol. 25, No. 5, dated September 1981 (pages 677-690), © International Business Machines Corporation 1981.	
		WOODHAM, D.J., "HDTV Production: Today and Tomorrow; 'A Solid State "Action Replay" Recorder', Symposium Record Broadcast Sessions, System Session P-2, dated June 17, 1989 (8 pages, numbered TIVO-414638 thru TIVO-414645).	
		HOSPODOR, ANDREW DAVID, "The Effect of Prefetch in SCSI Disk Drive Cache Buffers", Santa Clara University, Dept. of Computer Engineering, dated May 2, 1994 (121 pgs).	
		Official Action from JP for foreign patent application no. 2003-524253 dated October 19, 2005 (4 pgs) plus 4 pg translation – attached.	
		Current Claims in JP patent application no. 2003-524253 (3pgs) plus 4 pg. translation – attached.	

Examiner Signature		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.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 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, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Attorney Docket No. 60097-0027

2621

1/21

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

David Locket, et al.	)	Confirmation No.: 9478
)	
Serial No.: 09/935,426	)	Examiner: Boccio, Vincent F
)	
Filed on: August 22, 2001	)	Group Art Unit No.: 2621
)	

For: MULTIMEDIA SIGNAL PROCESSING SYSTEM

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a copy of Information Disclosure Citation Form PTO/SB/08 A,B, together with copies of the documents cited on that form, if needed. Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

- 37 C.F.R. §1.97(b). It is respectfully requested that the cited documents be considered and that the enclosed Information Disclosure Citation Form PTO-1449 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).
- 37 C.F.R. §1.97(c). If so, then this Information Disclosure Statement includes one of the following:
 - A statement pursuant to 37 C.F.R. §1.97(e)

1.97(e)(1) The undersigned hereby states that each item of information contained in this information disclosure statement was first 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.

1.97(e)(2) The undersigned hereby states that 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 §1.56(c) more than three months prior to the filing of this information disclosure statement.

A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).

It is respectfully requested that the cited documents be considered and that the enclosed Information Disclosure Citation Form PTO-1449 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

37 C.F.R. §1.97(d). If so, then this Information Disclosure Statement includes the following:

A statement pursuant to 37 C.F.R. §1.97(e)

1.97(e)(1) The undersigned hereby states that each item of information contained in this information disclosure statement was first 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; OR

1.97(e)(2) The undersigned hereby states that no item of information contained in the 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 the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this information disclosure statement.

AND

A check for \$180.00 for the fee under 37 C.F.R. §1.17(i) for submission of the Information Disclosure Statement.

It is respectfully requested that the cited documents be considered and that the enclosed Information Disclosure Citation Form PTO-1449 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

37 C.F.R. §1.97(i). Applicants are submitting references to satisfy Applicants' disclosure obligations in hopes that the references will be considered by the Examiner. Although the submission does not fully meet 37 C.F.R. §1.97, Applicant respectfully requests that the cited documents be considered and that the enclosed Information Disclosure Citation Form PTO-1449 be initialed by the Examiner to indicate such consideration and a copy thereof returned to Applicant(s). It is understood that if the Examiner does not consider the cited references, the cited documents will be placed in the file pursuant to 37 C.F.R. §1.97(i).

Accordingly, copies of the references as listed on the attached Form PTO 1449 are submitted herewith. No certification or fees are deemed necessary.

The Examiner is hereby notified that the present application is related to the following related application(s):

DISCLOSURE OF RELATED APPLICATIONS

U.S. Application/ Pat. No.	File Date	Atty. Docket. No.

The related application(s) may contain subject matter that is related to the subject matter of the present application. The related application(s) may contain one or more claims that may be substantially similar to one or more claims in the present application, and those claims may have been rejected in the related application(s). Therefore, the Examiner is encouraged to review the file history(ies) of the related application(s) as some of the information contained therein may be material to the examination of the present application.

The Examiner is hereby notified that for the following related application(s) an Office Action has been received as indicated below:

DISCLOSURE OF OFFICE ACTIONS

U.S. Application/ Pat. No.	File Date	Office Action Mailing Date	Atty. Docket. No.
10/081,776	02/20/2002	11/03/2006	60097-0029

The related application(s) may contain one or more claims that may be substantially similar to one or more claims in the present application, and those claims may have been rejected in the related application(s). Therefore, the Examiner is encouraged to review the file history(ies) of the related application(s) as some of the information contained therein may be material to the examination of the present application.

Throughout the pendency of this application, please charge any additional fees, including any required extension of time fees, and credit all overpayments to deposit account 50-1302.

Respectfully submitted,

HICKMAN PALERMO TRUONG & BECKER LLP

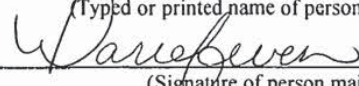
Dated: Feb 1, 2007



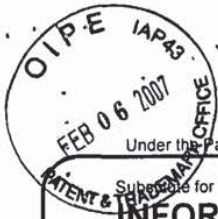
Kirk B. Wong
Reg. No. 43,284

2055 Gateway Place, Suite 550
San Jose, California 95110-1089
Telephone: (408) 414-1080
Facsimile: (408) 414-1076

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to Mail Stop **Amendment**, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on Feb 1, 2007
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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number 09/935,426
 Filing Date August 22, 2001
 First Named Inventor David Locket et al.
 Art Unit 2621
 Examiner Name Boccio, Vincent F
 Attorney Docket Number 60097-0027

Sheet 1 of 1

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-6,542,695 B1	04-01-2003	Akiba et al.	
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner Signature	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. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. 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 2 hours 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.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

David Locket, et al.)	Confirmation No.: 9478
)	
Serial No.: 09/935,426	)	Examiner: Chevalier, Robert
)	
Filed on: August 22, 2001	)	Group Art Unit No.: 2621

For: MULTIMEDIA SIGNAL PROCESSING SYSTEM

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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Throughout the pendency of this application, please charge any additional fees, including any required extension of time fees, and credit all overpayments to deposit account 50-1302.

Respectfully submitted,

HICKMAN PALERMO TRUONG & BECKER LLP

Dated: September 18, 2007

/KirkDWong#43284/

Kirk D. Wong

Reg. No. 43,284

2055 Gateway Place, Suite 550
San Jose, California 95110-1089
Telephone: (408) 414-1080
Facsimile: (408) 414-1076

CERTIFICATE OF TRANSMISSION VIA EFS-WEB

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Submission date: September 18, 2007

by /KirkDWong#43284/

Kirk D. Wong

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>	<i>Complete if Known</i>			
	Application Number	09/935,426		
	Filing Date	August 22, 2001		
	First Named Inventor	David Locket		
	Art Unit	2621		
	Examiner Name	Chevalier, Robert		
Sheet 1	of	2	Attorney Docket Number	60097-0027

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² <i>(if known)</i>			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ <i>(if known)</i>				
		WO 00/33568 A1	06-08-2000	Diva Systems Corporation		
		WO 93/16557 A1	08-19-1993	Koz et al.		
		EP 0 701 371 A1	03-13-1996	International Business Machines Corp.		

Examiner Signature	Date Considered
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 P0003C-CIP

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	09/935,426
		Filing Date	August 22, 2001
		First Named Inventor	David Locket
		Art Unit	2621
		Examiner Name	Chevalier, Robert
		Attorney Docket Number	60097-0027
Sheet	2	of	2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		EUROPEAN PATENT OFFICE, "Communication", European patent application 02796373.5, dated February 6, 2007, 3 pages.	<input type="checkbox"/>
		EUROPEAN PATENT OFFICE, "Communication pursuant to Article 96(2) EPC", European patent application 02 796 373.5, dated June 15, 2007, 2 pages.	<input type="checkbox"/>
		CLAIMS, European patent application 02 796 373.5, 8 pages.	<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Examiner Signature		Date Considered	
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Customer Ref. No. P0003C-CIP

Electronic Acknowledgement Receipt

EFS ID:	2197707
Application Number:	09935426
International Application Number:	
Confirmation Number:	9478
Title of Invention:	Multimedia signal processing system
First Named Inventor/Applicant Name:	David Locket
Customer Number:	29989
Filer:	Kirk D. Wong
Filer Authorized By:	
Attorney Docket Number:	60097-0027
Receipt Date:	18-SEP-2007
Filing Date:	22-AUG-2001
Time Stamp:	18:23:04
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	Information Disclosure Statement (IDS) Filed	09935426IDS09182007.pdf	22029 <small>67d28f2c5aa48e934f17dc87b902846635da8152</small>	no	4

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Information:					
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2	Foreign Reference	claims.pdf	719720	no	9
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6	Information Disclosure Statement (IDS) Filed	09935426sb08a09182007.pdf	40164	no	2
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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.

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

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		First Named Inventor	David Locket, et al.
		Art Unit	2621
		Examiner Name	NYA
Sheet 1 of 1	Attorney Docket Number	60097-0027	

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Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-5,600,379	02-1997	Wagner, Steven D.	
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner Signature	Date Considered
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David Locket, et al.)	Confirmation No.: 9478
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For: MULTIMEDIA SIGNAL PROCESSING SYSTEM

Mail Stop Amendment
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 - A statement pursuant to 37 C.F.R. §1.97(e)

1.97(e)(1) The undersigned hereby states that each item of information contained in this information disclosure statement was first 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.

1.97(e)(2) The undersigned hereby states that 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 §1.56(c) more than three months prior to the filing of this information disclosure statement.

A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).

It is respectfully requested that the cited documents be considered and that each enclosed Form PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned.

37 C.F.R. §1.97(d). If so, then this Information Disclosure Statement includes the following:

A statement pursuant to 37 C.F.R. §1.97(e)

1.97(e)(1) The undersigned hereby states that each item of information contained in this information disclosure statement was first 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; OR

1.97(e)(2) The undersigned hereby states that no item of information contained in the 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 the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this information disclosure statement.

AND

A check for \$180.00 for the fee under 37 C.F.R. §1.17(i) for submission of the Information Disclosure Statement.

It is respectfully requested that the cited documents be considered and that each enclosed Form PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned.

37 C.F.R. §1.97(i). The undersigned is submitting references to satisfy disclosure obligations in hopes that the references will be considered by the Examiner. Although the submission does not fully meet 37 C.F.R. §1.97, it is respectfully requested that the cited documents be considered and that each enclosed Form PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned. It is understood that if the Examiner does not consider the cited references, the cited documents will be placed in the file pursuant to 37 C.F.R. §1.97(i).

Accordingly, copies of the references as listed on each enclosed Form PTO/SB/08 are submitted herewith, if needed. No certification or fees are deemed necessary.

Throughout the pendency of this application, please charge any additional fees, including any required extension of time fees, and credit all overpayments to deposit account 50-1302.

Respectfully submitted,

HICKMAN PALERMO TRUONG & BECKER LLP

Dated: September 19, 2007

/KirkDWong#43284/

Kirk D. Wong
Reg. No. 43,284

2055 Gateway Place, Suite 550
San Jose, California 95110-1089
Telephone: (408) 414-1080 ext. 214
Facsimile: (408) 414-1076

CERTIFICATE OF TRANSMISSION VIA EFS-WEB

Pursuant to 37 C.F.R. 1.8(a)(1)(ii), I hereby certify that this correspondence is being transmitted to the United States Patent & Trademark Office via the Office electronic filing system in accordance with 37 C.F.R. §§1.6(1)(4) and 1.8(a)(1)(i)(C) on the date indicated below and before 9:00 PM PST.

Submission date: September 19, 2007

by /KirkDWong#43284/

Electronic Acknowledgement Receipt

EFS ID:	2194331
Application Number:	09935426
International Application Number:	
Confirmation Number:	9478
Title of Invention:	Multimedia signal processing system
First Named Inventor/Applicant Name:	David Locket
Customer Number:	29989
Filer:	Kirk D. Wong
Filer Authorized By:	
Attorney Docket Number:	60097-0027
Receipt Date:	19-SEP-2007
Filing Date:	22-AUG-2001
Time Stamp:	19:41:20
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	Information Disclosure Statement (IDS) Filed	09935426IDSListPatents.pdf	32779 <small>90739ca6ae15f8fed61b4cfa77209d83ba41c5b</small>	no	1

Warnings:

Information:					
This is not an USPTO supplied IDS fillable form					
2	Information Disclosure Statement Letter	09935426IDSLtr.pdf	20563	no	3
			09f190da77a971a0718512221117b9fd 898942c5		
Warnings:					
Information:					
Total Files Size (in bytes):				53342	
<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>					



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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/935,426 08/22/2001 David Locket 60097-0027 9478

29989 7590 11/23/2007
HICKMAN PALERMO TRUONG & BECKER, LLP
2055 GATEWAY PLACE
SUITE 550
SAN JOSE, CA 95110

EXAMINER

CHEVALIER, ROBERT

ART UNIT	PAPER NUMBER
----------	--------------

2621

MAIL DATE	DELIVERY MODE
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11/23/2007

PAPER

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

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No. 09/935,426	Applicant(s) LOCKET ET AL.	
Examiner Bob Chevalier	Art Unit 2621	

-- 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 1 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 8/22/01.
- 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) 1-61 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) _____ is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) 1-61 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/SB/08)
Paper No(s)/Mail Date _____
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) Notice of Informal Patent Application
- 6) Other: _____

DETAILED ACTION

Election/Restrictions

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-41, drawn to a system for the simultaneous storage and playback of multimedia data including the feature of "a bridging element connected to said decoder/host controller by meansis individualized according to source type", classified in class 386, subclass 109.
 - II. Claims 42-61, drawn to a system for processing a media stream across several channels simultaneously including the feature of "means for monitoring and saving state of the processor.....a state associated with said original stream is reloaded", classified in class 386, subclass 46.
2. The inventions are distinct, each from the other because of the following reasons:

The two groups of inventions are useable apart from each other and have unique specific structures not required of the other, and can therefore be separately useable as distinct inventions. For example, the system for the simultaneous storage and playback of multimedia data including the feature of "a bridging element connected to said decoder/host controller by meansis individualized according to source type" as recited in claim 1 of Group I, does not require the feature of "means for monitoring and saving state of the processor.....a state associated with said original stream is reloaded" as specified in claim 42, of Group II.

Moreover, the system for processing a media stream across several channels simultaneously including the feature of "means for monitoring and saving state of the

processor.....a state associated with said original stream is reloaded" as specified in claim 42, of Group II, does not require the feature of "a bridging element connected to said decoder/host controller by meansis individualized according to source type" as recited in claim 1 of Group I.

3. Because these inventions are distinct for the reasons given above and the search required for one Group is not required for the other, and have acquired a separate status in the art and because of their recognized divergent subject matter restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

4. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(I).

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bob Chevalier whose telephone number is 571-272-7374. The examiner can normally be reached on MM-F (9:00-6:30), second Monday off.

Application/Control Number:
09/935,426
Art Unit: 2621


Page 4

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thai Tran can be reached on 571-272-7382. 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.

B. Chevalier
November 20, 2007.



ROBERT CHEVALIER
PRIMARY EXAMINER

Index of Claims 	Application/Control No. 09935426	Applicant(s)/Patent Under Reexamination LOCKET ET AL.
	Examiner Chevalier, Bob	Art Unit 2621

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

Claims renumbered in the same order as presented by applicant
 CPA
 T.D.
 R.1.47

CLAIM		DATE							
Final	Original	11/20/2007							
	1	+							
	2	+							
	3	+							
	4	+							
	5	+							
	6	+							
	7	+							
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	34	+							
	35	+							
	36	+							

Index of Claims 	Application/Control No. 09935426	Applicant(s)/Patent Under Reexamination LOCKET ET AL.
	Examiner Chevalier, Bob	Art Unit 2621

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

Claims renumbered in the same order as presented by applicant
 CPA
 T.D.
 R.1.47

CLAIM		DATE							
Final	Original	11/20/2007							
	37	+							
	38	+							
	39	+							
	40	+							
	41	+							
	42	+							
	43	+							
	44	+							
	45	+							
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	57	+							
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	59	+							
	60	+							
	61	+							

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Confirmation Number: 9478
: :
James M. Barton, et al. : Group Art Unit: 2165
: :
Serial No.: 09/935,426 : Examiner: Vincent F. Boccio
: :
Filed: August 22, 2001 : :
: :
For: MULTIMEDIA SIGNAL PROCESSING SYSTEM

RESPONSE TO RESTRICTION REQUIREMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Office Action dated November 23, 2007, in which a restriction requirement was imposed, Applicants hereby elect, without traverse, claims 1-41 of Group I for examination.

Respectfully submitted,
HICKMAN PALERMO TRUONG & BECKER LLP

Dated: December 14, 2007

/KirkDWong#43284/
Kirk D. Wong
Reg. No. 43,284

2055 Gateway Place, Suite 550
San Jose, California 95110-1089
Tel: (408) 414-1080 ext. 214
Fax: (408) 414-1076

Electronic Acknowledgement Receipt

EFS ID:	2594501
Application Number:	09935426
International Application Number:	
Confirmation Number:	9478
Title of Invention:	Multimedia signal processing system
First Named Inventor/Applicant Name:	David Locket
Customer Number:	29989
Filer:	Kirk D. Wong
Filer Authorized By:	
Attorney Docket Number:	60097-0027
Receipt Date:	16-DEC-2007
Filing Date:	22-AUG-2001
Time Stamp:	20:24:17
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	Response to Election / Restriction Filed	09935426RespRestrictRequirement.pdf	13400 <small>896a3a04d35889add430e65a958863dd219e4692</small>	no	1

Warnings:

Information:

Total Files Size (in bytes):

13400

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.

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	103509	SOURCE NEAR2 TYPE	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/01/14 14:25
L2	72308	INPUT NEAR2 SECTION	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/01/14 14:25
L3	129	1 SAME 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/01/14 14:25
L4	16506	TRANSPORT NEAR2 STREAM	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/01/14 14:25
L5	1	3 SAME 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/01/14 14:30
L6	13	(DECOD\$3 AND PROCESS\$3 AND TRANSPORT AND STREAM AND BRIDG\$3).CLM.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/01/14 15:35
L7	1	(DECOD\$3 AND PROCESS\$3 AND TRANSPORT AND STREAM AND BRIDG\$3 AND DEMULTIPLEX\$3).CLM.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/01/14 15:35
L8	3	(DECOD\$3 AND PROCESS\$3 AND TRANSPORT AND STREAM AND BRIDG\$3 AND MULTIPLEX\$3).CLM.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/01/14 15:36

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	)	Confirmation No.: 9478
David Locket, et al.)	
Serial No.: 09/935,426	)	Examiner: Chevalier, Robert
Filed on: August 22, 2001	)	Group Art Unit No.: 2621

For: MULTIMEDIA SIGNAL PROCESSING SYSTEM

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is at least one copy of Form PTO/SB/08 (A or B) together with copies of the documents cited on that form, if needed. Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

- 37 C.F.R. §1.97(b). It is respectfully requested that the cited documents be considered and that each enclosed copy of Form PTO/SB/08 (A or B) be initialed by the Examiner to indicate such consideration and a copy thereof returned.

37 C.F.R. §1.97(c). If so, then this Information Disclosure Statement includes one of the following:

A statement pursuant to 37 C.F.R. §1.97(e)

1.97(e)(1) The undersigned hereby states that each item of information contained in this information disclosure statement was first 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.

1.97(e)(2) The undersigned hereby states that 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 §1.56(c) more than three months prior to the filing of this information disclosure statement.

A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).

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1.97(e)(1) The undersigned hereby states that each item of information contained in this information disclosure statement was first 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; OR

1.97(e)(2) The undersigned hereby states that no item of information contained in the 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 the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this information disclosure statement.

AND

A check for \$180.00 for the fee under 37 C.F.R. §1.17(i) for submission of the Information Disclosure Statement.

It is respectfully requested that the cited documents be considered and that each enclosed copy of Form PTO/SB/08 (A or B) be initialed by the Examiner to indicate such consideration and a copy thereof returned.

37 C.F.R. §1.97(i). The undersigned is submitting references to satisfy disclosure obligations in hopes that the references will be considered by the Examiner. Although the submission does not fully meet 37 C.F.R. §1.97, it is respectfully requested that the cited documents be considered and that each enclosed copy of Form PTO/SB/08 (A or B) be initialed by the Examiner to indicate such consideration and a copy thereof returned to Applicant(s). It is understood that if the Examiner does not consider the cited references, the cited documents will be placed in the file pursuant to 37 C.F.R. §1.97(i).

Accordingly, copies of the references as listed on each enclosed copy of Form PTO/SB/08 (A or B) are submitted herewith, if needed. No certification or fees are deemed necessary.

- The Examiner is hereby notified that the present application is related to the following related application(s):

DISCLOSURE OF RELATED APPLICATIONS

U.S. Application/ Pat. No.	File Date	Atty. Docket. No.

The related application(s) may contain subject matter that is related to the subject matter of the present application. The related application(s) may contain one or more claims that may be substantially similar to one or more claims in the present application, and those claims may have been rejected in the related application(s). Therefore, the Examiner is encouraged to review the file history(ies) of the related application(s) as some of the information contained therein may be material to the examination of the present application.

- The Examiner is hereby notified that for the following related application(s) an Office Action has been received as indicated below:

DISCLOSURE OF OFFICE ACTIONS

U.S. Application/ Pat. No.	File Date	Office Action Mailing Date	Atty. Docket. No.
10/081,776	02/20/2002	10/19/2007	60097-0029

The related application(s) may contain one or more claims that may be substantially similar to one or more claims in the present application, and those claims may have been rejected in the related application(s). Therefore, the Examiner is encouraged to review the file history(ies) of the related application(s) as some of the information contained therein may be material to the examination of the present application.

Throughout the pendency of this application, please charge any additional fees, including any required extension of time fees, and credit all overpayments to deposit account 50-1302.

Respectfully submitted,

HICKMAN PALERMO TRUONG & BECKER LLP

Dated: January 18, 2008

/KirkDWong#43284/

Kirk D. Wong

Reg. No. 43,284

2055 Gateway Place, Suite 550
San Jose, California 95110-1089
Telephone: (408) 414-1080
Facsimile: (408) 414-1076

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

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>	Complete if Known	
	Application Number	09/935,426
	Filing Date	August 22, 2001
	First Named Inventor	David Locket
	Art Unit	2621
	Examiner Name	Chevalier, Robert
Attorney Docket Number	60097-0027	
Sheet	1	of 2

U.S.PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (<i>if known</i>)			
		6,353,461 B1	03-05-2002	Shore et al.	
		2007-0230921 A1	10-04-2007	Barton et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (<i>if known</i>)				

Examiner Signature	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. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.
 P0003C-CIP

Substitute for form 1449B/PTO <h2 style="text-align: center; margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; margin: 0;"><i>(Use as many sheets as necessary)</i></p>				Complete if Known	
		Application Number	09/935,426		
		Filing Date	August 22, 2001		
		First Named Inventor	David Locket		
		Art Unit	2621		
		Examiner Name	Chevalier, Robert		
Sheet	2	of	2	Attorney Docket Number	60097-0027

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		UNITED STATES PATENT AND TRADEMARK OFFICE, "Ex Parte Reexamination Communication Transmittal Form", Reexamination Control Number 90/007750, dated November 28, 2007, 20 pages.	T
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Examiner Signature		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.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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Customer Ref. No. P0003C-CIP

Electronic Acknowledgement Receipt

EFS ID:	2741417
Application Number:	09935426
International Application Number:	
Confirmation Number:	9478
Title of Invention:	Multimedia signal processing system
First Named Inventor/Applicant Name:	David Locket
Customer Number:	29989
Filer:	Kirk D. Wong
Filer Authorized By:	
Attorney Docket Number:	60097-0027
Receipt Date:	18-JAN-2008
Filing Date:	22-AUG-2001
Time Stamp:	19:11:51
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	Information Disclosure Statement Letter	09935426ids011808.pdf	23678 <small>86be92c18ad9ad0f9d141c978a1d7896d92167b0</small>	no	5

Warnings:

Information:

2	NPL Documents	0357NoticeofIntenttoIssueRe examCert.pdf	648059 72ff0fa1d0f5e766b52070610b01a025d 76c0e4	no	20
Warnings:					
Information:					
3	Information Disclosure Statement (IDS) Filed	09935426sb08a011808.pdf	39385 9e6b989ec6b665831f472175d04ca82a ff51a6d	no	2
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
Total Files Size (in bytes):			711122		
<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>					



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/935.426	08/22/2001	David Locket	60097-0027	9478

29989 7590 01/28/2008
HICKMAN PALERMO TRUONG & BECKER, LLP
2055 GATEWAY PLACE
SUITE 550
SAN JOSE, CA 95110

EXAMINER
CHEVALIER, ROBERT

ART UNIT	PAPER NUMBER
2621	

MAIL DATE	DELIVERY MODE
01/28/2008	PAPER

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

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 09/935,426	Applicant(s) LOCKET ET AL.	
	Examiner Bob Chevalier	Art Unit 2621	

-- 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 16 December 2007.
- 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) 1-61 is/are pending in the application.
 - 4a) Of the above claim(s) 42-61 is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-24 and 36-41 is/are rejected.
- 7) Claim(s) 25-35 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 22 August 2001 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/SB/08)
Paper No(s)/Mail Date See Continuation Sheet.
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) Notice of Informal Patent Application
- 6) Other: _____.

Continuation of Attachment(s) 3). Information Disclosure Statement(s) (PTO/SB/08), Paper No(s)/Mail Date :2/6/07,7/21/06,5/10/06,3/27/06,2/10/06,1/13/06,8/4/05.

DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of claims 1-41 of Group I in the reply filed on 12/16/07 is acknowledged.

Claim Rejections - 35 USC § 102

2. 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.

3. Claims 1-24, 36-41 are rejected under 35 U.S.C. 102(e) as being anticipated by Maclnnis et al.

Maclnnis et al discloses a video/audio system that shows all the limitations recited in claim 1, including the feature of the input section for acquiring and tuning an input signal (See Maclnnis et al's Figure 39, component 1528, 1530), the feature of the output section wherein the input section is passed to the output section as a transport stream (See the outputs shown in Maclnnis et al's Figure 39), the feature of the means for decoding the transport stream connected to a processor (See Maclnnis et al's Figure 39, components 1500, 1504, 1506, 1514), the feature of the bridge connected to the decoder/host controller, the bridge operative to interface a plurality of system components (See Maclnnis et al's Figure 39, component 1508), and the feature of the

input section being individualized according to the source type as specified in the present claim 1. (See MacInnis et al's Figure 39, components 1528, 1530).

With regard to claim 2, the feature of the input section being adapted to accept an analog input signal as specified thereof is present in MacInnis et al. (See MacInnis et al's Figure 39, component 1528).

With regard to claim 3, the feature of the input section accepting the analog input signal from any of RF coaxial, composite audio/video and S-video connectors as specified thereof is present in MacInnis et al. (See MacInnis et al's Figure 38, and page 34, paragraphs [0445]-[0447]).

With regard to claims 4, and 10, the features of tuning to a desired channel, decoder for digitizing a video component of the signal, multi-standard sound processor for processing an audio component of the signal, and the MPEG-2 encoder receiving the digitized video and audio components and encoding and multiplexing into an MPEG-2 transport stream, as specified thereof is present in MacInnis et al. (See MacInnis et al's Figure 38, and page 34, paragraphs [0445]-[0447], and Figure 39, and the corresponding disclosure).

With regard to claims 5, and 11, the feature of the memory element as specified thereof is present in MacInnis et al. (See MacInnis et al's Figure 39, component 1540).

With regard to claim 6, the feature of the secondary input comprising a second set of RF coaxial, composite audio/video or S-video connectors as specified thereof is present in MacInnis et al. (See MacInnis et al's Figure 38, and page 34, paragraphs [0445]-[0447]).

With regard to claim 7, the feature of the input section being adapted to accept a digital satellite input signal as specified thereof is present in MacInnis et al. (See MacInnis et al's Figure 38, and page 35, paragraph [0447], lines 1-4).

With regard to claim 8, the feature of demodulating the digital satellite signals to a MPEG-2 transport stream as specified thereof is present in MacInnis et al. (See MacInnis et al's Figure 38, component 1400, and page 35, paragraph [0447]).

With regard to claim 9, the feature of accepting input in both analog and digital formats as specified thereof is present in MacInnis et al. (See MacInnis et al's Figure 38, components 1410, 1414).

With regard to claim 12, the feature of the output section comprising a transport stream wherein the transport stream receives the transport stream from the input section as specified thereof is present in MacInnis et al. (See MacInnis et al's Figure 38).

With regard to claim 13, the feature of decoding the transport stream comprising an MPEG transport stream decoder/graphics subsystem wherein the first data transfer element comprises a host bus as specified thereof is present in MacInnis et al. (See MacInnis et al's Figure 39, and the corresponding disclosure).

With regard to claim 14, it is noted that all of the features recited thereof are present in MacInnis et al, including the host bridge (See MacInnis et al's Figure 39, component 1508), memory controller (See MacInnis et al's Figure 39, component 1510), MPEG-2 transport demultiplexer (See MacInnis et al's Figure 39, components 1502, 1506), MPEG-2 decoder (See MacInnis et al's Figure 39, component 1504),

audio/video decoder (See MacInnis et al's Figure 39, components 1504, 1506, 1520), graphics processor (See MacInnis et al's Figure 39, components 1516, 1518), PCI bridge (See MacInnis et al's Figure 39, component 1536), bus controller (See MacInnis et al's Figure 39, component 1534), SmartCard interface (See the last sentence shown in MacInnis et al's paragraph [0457]), and the modem interface as specified in the present claim 14. (See MacInnis et al's page 35, paragraph [0447], lines 7-9).

With regard to claim 15, the feature of the transport stream decoder/graphics subsystem further comprising at least one transport stream interface, wherein the transport stream interface receives the transport stream from the input section as specified thereof is present in MacInnis et al. (See MacInnis et al's Figure 38).

With regard to claim 16, the feature of the packet stream being stored and played back through an output side of the transport stream decoder/graphics subsystem as specified thereof is present in MacInnis et al. (See MacInnis et al's Figure 39, components 1540, 1512, 1516).

With regard to claim 17, the feature of the plurality of outputs including any of S-video, audio, SPDIF and CVBS as specified thereof is present in MacInnis et al. (See MacInnis et al's Figure 39, components 1542, 1544, 1546, 1548, 1550).

With regard to claim 18, the feature of the SmartCard reader interface as specified thereof is present in MacInnis et al. (See the last sentence shown in MacInnis et al's paragraph [0457]).

With regard to claim 19, the feature of the PROM specified thereof is present in MacInnis et al. (See MacInnis et al's page 53, paragraph [0681]).

With regard to claim 20, the feature of the SDRAM specified thereof is present in MacInnis et al. (See MacInnis et al's Figure 39, component 1540).

With regard to claim 21, the feature of the modem specified thereof is present in MacInnis et al. (See MacInnis et al's page 35, paragraph [0447], lines 7-9).

With regard to claims 22-24, the feature of the MIPS processor and wherein the first data transfer element comprises a host bus as specified thereof is present in MacInnis et al. (See MacInnis et al's Figure 40, component 1646).

With regard to claim 36, the feature of the system bus recited thereof is present in MacInnis et al. (See MacInnis et al's Figure 40, component 1648).

With regard to claim 37, the feature of the system bus comprises a PCI bus as specified thereof is present in MacInnis et al. (See MacInnis et al's Figure 40, component 1642).

With regard to claim 38, the feature of the USB controller coupled to the PCI bus as specified thereof is present in MacInnis et al. (See MacInnis et al's Figure 40, components 1656, 1678).

With regard to claims 39-41, the feature of the system board, the output section being implemented on a single microchip or a chipset as specified thereof are present in MacInnis et al. (See MacInnis et al's Figures 39-40).

4. Claims 25-35 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.


Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bob Chevalier whose telephone number is 571-272-7374. The examiner can normally be reached on MM-F (9:00-6:30), second Monday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thai Tran can be reached on 571-272-7382. 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.

B. Chevalier
January 15, 2008.


ROBERT CHEVALIER
PRIMARY EXAMINER



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Supplement for form 1449A/PTO

Complete if Known**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Application Number	09/935,426
Filing Date	August 22, 2001
First Named Inventor	David Locket et al.
Art Unit	2621
Examiner Name	Boccio, Vincent F
Attorney Docket Number	60097-0027

Sheet 1

of 1

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/RC/		US-6,542,695 B1	04-01-2003	Akiba et al.	
		US-			
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner Signature	/Robert Chevalier/	Date Considered	01/15/2008
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This collection of information is required by 37 CFR 1.97 and 1.98. 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 2 hours 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.

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**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

(PTO-1449)



Attorney Docket No.:
60097-0027

Application Number:
09/935,426

First Named Inventor:
David Locket, et al.

Filing Date:
August 22, 2001

Group:
2616

FOREIGN PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (If known)				
/RC/		JP	06233234	A	Fujitsu General Ltd.	08-19-1994		
/RC/		JP	04088772	A	Toshiba Corporation	03-23-1992		
/RC/		JP	07250305	A	Hitachi Ltd.	09-26-1995		
/RC/		JP	07111629	A	Hitachi Ltd.	04-25-1995		
/RC/		JP	07131754	A	Ricoh Co. Ltd.	05-19-1995		
/RC/		JP	06245157	A	Mitsubishi Electric Corp.	09-02-1994		
/RC/		JP	4-88772					
/RC/		JP	07264529	A	Hitachi Ltd.	01-13-1995		
/RC/		JP	09233415	A2	IBM Corp.	05-09-1997		
/RC/		WO	92/22983	A2	Browne, H. Lee	12-23-1992		
/RC/		JP	6-245157					
/RC/		JP	7-131754					
/RC/		JP	6-233234					
/RC/		JP	9-233415					
/RC/		JP	7-250305					
/RC/		JP	7-264529					

Examiner Signature	/Robert Chevalier/	Date Considered	01/15/2008
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 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, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)	Attorney Docket No.: 60097-0027	Application Number: 09/935,426
	First Named Inventor: David Locket, et al.	
Filing Date: August 22, 2001		



OTHER ART - NO PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
/RC/		MACWEEK NEWS article entitled, "QuickTime Ready for Prime Time", dated December 10, 1991 (2 pages, numbered TIVO-410797 & TIVO-410798).	
/RC/		HEWLETT PACKARD LABORATORIES Technical Report entitled "UNIX Disk Access Patterns", by Chris Ruemmler and John Wilkes, HPL-92-152, dated December 1992 (pgs. 405-420), © Hewlett-Packard Company 1992.	
/RC/		HARKER, J.M. et al, "A Quarter Century of Disk File Innovation", IBM J. Res. Develop., Vol. 25, No. 5, dated September 1981 (pages 677-690), © International Business Machines Corporation 1981.	
/RC/		WOODHAM, D.J., "HDTV Production: Today and Tomorrow; 'A Solid State "Action Replay" Recorder', Symposium Record Broadcast Sessions, System Session P-2, dated June 17, 1989 (8 pages, numbered TIVO-414638 thru TIVO-414645).	
/RC/		HOSPODOR, ANDREW DAVID, "The Effect of Prefetch in SCSI Disk Drive Cache Buffers", Santa Clara University, Dept. of Computer Engineering, dated May 2, 1994 (121 pgs).	
/RC/		Official Action from JP for foreign patent application no. 2003-524253 dated October 19, 2005 (4 pgs) plus 4 pg translation - attached.	
/RC/		Current Claims in JP patent application no. 2003-524253 (3pgs) plus 4 pg. translation - attached.	

Examiner Signature /Robert Chevalier/	Date Considered 01/15/2008
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**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION
(PTO-1449)**



Attorney Docket No.: 60097-0027	Application Number: 09/935,426
First Named Inventor: David Locket, et al.	
Filing Date: August 22, 2001	Group: 2616

U.S. PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			
/RC/		5,648,824		Dunn et al.	07-15-1997	
/RC/		6,400,407	B1	Zigmond et al.	06-04-2002	

FOREIGN PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (If known)				
/RC/		WO	92/22983	A2	Browne et al.	12-23-1992		

OTHER ART - NO PATENT LITERATURE DOCUMENTS


Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issuic number(s), publisher, city and/or country where published	Translation ²

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)		ATTY. DOCKET NO. 60097-0027	SERIAL NO. 09/935,426
	APPLICANT: James M. Barton, et al.		FILING DATE: August 22, 2001
		GROUP: 2615	

U.S. PATENT DOCUMENTS						
Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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/RC/		EPO	0817483A2		Kabushiki Kaisha Toshiba (JP)	98-07-01		
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/RC/		Office Action from CN for foreign patent application no. 200410056388.3 dated 25 November 2005 (15 pgs) – attached.	
/RC/		Current Claims in CN patent application no. 200410056388.3 (9 pgs) – attached.	

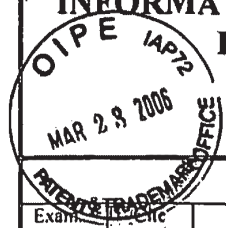
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	First Named Inventor: David Locket, et al.	
	Filing Date: August 22, 2001	Group: 2616



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/RC/		3,682,363		Hull	08-08-1972	**
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	First Named Inventor: David Locket, et al.	
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		First Named Inventor: David Locket, et al.			
		Filing Date: August 22, 2001			
/RC/		5,126,852	Nishino et al.	06-30-1992	**
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				Filing Date: August 22, 2001		
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
/RC/		WO	2000/76130	A1	Thomason Multimedia	05-31-2000	**	
/RC/		EP	0594241	A1	Philips Electronics N.V.	10-12-1993	**	
/RC/		EP	0594241	B1	Koninklijke Philips Electronics N.V.	04-17-1994	**	
/RC/		PCT	US92/04573		H. Lee Brown, et al.	06-22-1992	**	
/RC/		UK	GB2222742	A	Hashimoto Corporation	08-24-1989	**	
/RC/		WO	91/03112	A1	Delta Beta Pty Ltd.	08-23-1990	**	
/RC/		WO	98/56188	A2	Sony Electronics Inc.	12-10-1998		
/RC/		EP	0785675	A2	Kabushiki Kaisha Toshiba	07-23-1997		
/RC/		EP	0726574	A2	Matsushita Electrical Industrial	08-14-1996		
/RC/		EP	0817483	A2	Kabushiki Kaisha Toshiba	01-07-1998		
/RC/								

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Examiner Signature	/Robert Chevalier/	Date Considered	01/15/2008
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Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)		Attorney Docket No.: 60097-0027	Application Number: 09/935,426
		First Named Inventor: David Locket, et al.	
		Filing Date: August 22, 2001	
OTHER ART – NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
/RC/		Inside MacIntosh "QuickTime", Apple Technology Library by Apple Computer, Inc., © 1993 (published by Addison-Wesley Publishing Company) 719 pgs.	**
/RC/		Inside MacIntosh "Files", Apple Technology Library by Apple Computer, Inc., © 1992 (published by Addison-Wesley Publishing Company) 532 pgs.	**
/RC/		Inside MacIntosh "Memory", Apple Technology Library by Apple Computer, Inc., © 1992 (published by Addison-Wesley Publishing Company) 303 pgs.	**
/RC/		Inside MacIntosh "QuickTime Components", Apple Technology Library by Apple Computer, Inc., © 1993 (published by Addison-Wesley Publishing Company) 828 pgs.	**
/RC/		Inside MacIntosh "Overview", Apple Technology Library by Apple Computer, Inc., © 1992 (published by Addison-Wesley Publishing Company) 251 pgs.	**
/RC/		Quantum Q500 Series High Capacity 5 ¼" Fixed Disk Drive, Quantum Corporation, © 1983 (2 pgs)	**
/RC/		Quantum 2000 Series Low-Cost 8" Fixed Disk Drives, "New DC Motor Option", Quantum Corporation (2 pgs)	**
/RC/		Quantum Q2080 Low-Cost, 85 Megabyte Fixed Disk Drive, "85 Mb capacity/40ms average access time", Quantum Corporation, © 1982 (2 pgs)	**
/RC/		OEM Interface Specifications for DSAA-3xxx, "3.5-Inch Hard Disk Drive with ATA Interface, IBM Corporation, © 1994 (65 pgs).	**
/RC/		International Standard ISO/IEC 11172-2:1993(E), (Part 2: Video), Downloaded 6/15/05 (136 pgs).	**
/RC/		International Standard ISO/IEC 11171-3:1993/Cor.1:1996(E), (Part 3: Audio), Downloaded 6/15/05 (159 pgs).	**
/RC/		Hewlett Packard® MPEGscope User's Guide, Hewlett Packard Company © 1997-2000 (282 pgs).	**
/RC/		DiviCom, MP100 User Guide, DiviCom, Inc., © 1996 (97 pgs).	**

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/RC/		Hewlett Packard® MPEGscope Startup Guide, Hewlett Packard Company © 1997-2000 (39 pgs).	**
/RC/		MediaStream by Media4, "Desktop Satellite Multimedia", "The MediaStream Receiver Card", "MediaStream Uplink System", by Media4, Inc. (2 pgs).	**
/RC/		Jim Stratigos et al., Media4 Press Release "Announces Reseller Agreement with AlphaStar Television Networks", Microsoft® and Windows® 95 (3 pgs).	**
/RC/		Jim Stratigos et al., Media4 Press Release "Announces Multimedia Satellite Network for Personal Computers", Microsoft® and Windows® 95 (3 pgs).	**
/RC/		Media Stream, "Satellite Receiver" Installation and Users Guide for Windows 95, Media4, Inc., © 1996 (33 pgs).	**
/RC/		International Standard ISO/IEC 13818-1:2000(E) "Information Technology – Generic Coding of Moving Pictures and Associated Audio Information: Systems", © ISO/IEC 2000, Downloaded 6/30/05 (173 pgs).	**
/RC/		International Standard ISO/IEC 13818-1:2000/Amd.2:2004(E) "Information Technology – Generic Coding of Moving Pictures and Associated Audio Information: Systems", Amendment 2: Support of IPMP on MPEG-2 Systems, © ISO/IEC 2004, Downloaded 6/30/05 (13 pgs).	**
/RC/		International Standard ISO/IEC 13818-2:2000(E) "Information Technology – Generic Coding of Moving Pictures and Associated Audio Information: Video", © ISO/IEC 2000, Downloaded 6/30/05 (219 pgs).	**
/RC/		International Standard ISO/IEC 13818-3:1998(E) "Information Technology – Generic Coding of Moving Pictures and Associated Audio Information: Audio", © ISO/IEC 1998 (125 pgs).	**
/RC/		Guide to VAX/VMS File Applications,, Software Version VAX/VMS Version 4.0, September 1984 (19 pgs).	**
/RC/		Harrick M. Vin, et al., <i>Designing A Multiuser HDTV Storage Server</i> , IEEE Journal, Vol. 11, No. 1, January 1993 (pps. 153-164).	**
/RC/		Quantum Fireball 640/1280S Product Manual, Quantum®, Copyright © 1995 by Quantum Corporation (190 pgs).	**

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/RC/		Winston Hodge, et al., "Chapter 7, True Video on Demand vs. Near Video on Demand", delivered at National Cable Television Conference, May 24, 1994 (pps. 103-120).	**
/RC/		Cyril U. Orji, et al., "Design and Configuration Rationales for Digital Video Storage and Delivery Systems", Multimedia Tools and Applications, 9, 275-302 (1992), © 1992 Kluwer Academic Publishers, Boston (pps. 275-302).	**
/RC/		SCSI Specification, 0663 and 0663 Enhanced Disk Drive, Release 4.0, (247 pgs).	**
/RC/		R. Johnston, et al., "A Digital Television Sequence Store", IEEE, (pps. 594-600) © 1978.	**
/RC/		M. Hausdorfer, "Symposium Record Broadcast Sessions", HDTV Production: Today and Tomorrow, June 17, 1989, (7 pgs).	**
/RC/		S. Berson, "Computer Science Department Technical Report", Staggered Striping in Multimedia Information System, December 1993, April 29, 1994, (24 pgs).	**
/RC/		S. Berson, et al., "Design of a Scalable Multimedia Storage Manager", (pps. 1-30).	**
/RC/		Conner Filepro Performance Series, CFP1060E/CFP1060S/CFP1060W, "Intelligent Disk Drive Product Manual", Rev. A, May 1994, © 1994, Conner Peripherals, Inc., (79 pgs).	**
/RC/		Hugh M. Sierra, "An Introduction to Direct Access Storage Devices", © 1990 by Academic Press, Inc., (269 pgs).	**
/RC/		I. Freedman, et al., "Systems Aspects of COBE Science Data Compression", Cosmology Data Analysis Center, (pps. 85-97).	**
/RC/		Douglas T. Anderson, "The Hard Disk Technical Guide", Tenth Revision S-D., February 1994, © 1990, 1991, 1992, 1993, 1994 by Micro House International Inc., (70 pgs).	**

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/RC/		Official Action from CN for foreign patent application no. 02816471.1 dated 21 October 2005 (5 pgs) – attached.	**
/RC/		Current Claims in CN patent application no. 02816471.7 (10 pgs) – attached.	**
/RC/		International Standard ISO/IEC 11172 (MPEG-1 Standard, Part 1: Systems)	
/RC/		K. Shen et al., <i>A Fast Algorithm for Video Parsing Using MPEG Compressed Sequences</i> , IEEE, pp. 252-255 (0-8185-7310-9/626/1995).	
/RC/		S. Smollar et al., <i>Content-based Video Indexing and Retrieval</i> , IEEE, Summer 1994, pp. 62-72.	
/RC/		J. Meng et al., <i>CVEPS-A Compressed Video Editing and Parsing System</i> , ACM Multimedia '96, Boston MA, pp. 43-53 (ACM 0-89791-671-1/96/1).	

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. 60097-0027	SERIAL NO. 09/935,426
	APPLICANT: James M. Barton, et al.	
	FILING DATE: August 22, 2001	GROUP: 2615



U.S. PATENT DOCUMENTS						
Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			

FOREIGN PATENT DOCUMENTS								
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		Office ³	Number ⁴	Kind Code ⁵ (If known)				


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/RC/		Official Action from EPO for foreign patent application no. 99 909 867.6-2202 dated 27 December 2005 (5 pgs) – attached.	
/RC/		Current Claims in EPO patent application no. 99 909 867.6-2202 (9 pgs) – attached.	

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	APPLICANT: James M. Barton, et al.		
	FILING DATE: August 22, 2001	GROUP: 2615	

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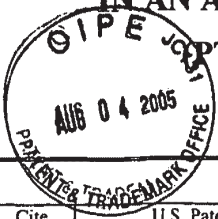
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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)	ATTY. DOCKET NO. 60097-0027	SERIAL NO. 09/935,716
	APPLICANT: James M. Barton, et al.	
	FILING DATE: August 22, 2001	GROUP: 2615



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/RC/		U.S. Published Application No. 2005-0132418-A1, published on 6/16/2005.	

Examiner Signature /Robert Chevalier/	Date Considered 01/15/2008
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Notice of References Cited	Application/Control No. 09/935,426	Applicant(s)/Patent Under Reexamination LOCKET ET AL.	
	Examiner Bob Chevalier	Art Unit 2621	Page 1 of 1

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A US-2005/0122335	06-2005	MacInnis et al.	345/520
B	US-			
C	US-			
D	US-			
E	US-			
F	US-			
G	US-			
H	US-			
I	US-			
J	US-			
K	US-			
L	US-			
M	US-			

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CONFIRMATION NO. 9478

SERIAL NUMBER 09/935,426	FILING or 371(c) DATE 08/22/2001 RULE	CLASS 386	GROUP ART UNIT 2621	ATTORNEY DOCKET NO. 60097-0027	
APPLICANTS David Locket, Los Gatos, CA; Kurtis G. Heaton, Pleasanton, CA; James M. Barton, Alviso, CA; Jean Swei Kao, Cupertino, CA; Ching Tong Chow, Fremont, CA; Roderick James McInnis, Milpitas, CA; Andrew Martin Goodman, Menlo Park, CA;					
** CONTINUING DATA ***** This application is a CIP of 09/827,029 04/05/2001 and claims benefit of 60/226,856 08/22/2000					
** FOREIGN APPLICATIONS *****					
** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** ** SMALL ENTITY ** 09/07/2001					
Foreign Priority claimed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 35 USC 119(a-d) conditions met <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Verified and /ROBERT CHEVALIER/ Acknowledged Examiner's Signature	<input type="checkbox"/> Met after Allowance Initials	STATE OR COUNTRY CA	SHEETS DRAWINGS 23	TOTAL CLAIMS 61	INDEPENDENT CLAIMS 3
ADDRESS HICKMAN PALERMO TRUONG & BECKER, LLP 2055 GATEWAY PLACE SUITE 550 SAN JOSE, CA 95110 UNITED STATES					
TITLE Multimedia signal processing system					
FILING FEE RECEIVED 789	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit		

Index of Claims 	Application/Control No. 09935426	Applicant(s)/Patent Under Reexamination LOCKET ET AL.
	Examiner Chevalier, Bob	Art Unit 2621

✓	Rejected
=	Allowed


-	Cancelled
÷	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

Claims renumbered in the same order as presented by applicant
 CPA
 T.D.
 R.1.47


CLAIM		DATE							
Final	Original	11/20/2007	01/15/2008						
	1	+	✓						
	2	+	✓						
	3	+	✓						
	4	+	✓						
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Index of Claims 	Application/Control No. 09935426	Applicant(s)/Patent Under Reexamination LOCKET ET AL.
	Examiner Chevalier, Bob	Art Unit 2621

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

Claims renumbered in the same order as presented by applicant
 CPA
 T.D.
 R.1.47

CLAIM		DATE							
Final	Original	11/20/2007	01/15/2008						
	37	+	✓						
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Search Notes 	Application/Control No. 09935426	Applicant(s)/Patent Under Reexamination LOCKET ET AL.
	Examiner Chevalier, Bob	Art Unit 2621

SEARCHED			
Class	Subclass	Date	Examiner
386	46, 109, 111, 112, 83, 96, 124	1/14/08	R.C.

SEARCH NOTES		
Search Notes	Date	Examiner
Text search performed	1/14/08	R.C.

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Class	Subclass	Date	Examiner

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Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Application Number	09/935,426	
			Filing Date	August 22, 2001	
			First Named Inventor	David Locket	
			Art Unit	2621	
			Examiner Name	Chevalier, Robert	
Sheet	1	of	2	Attorney Docket Number	60097-0027

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Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		7,272,298 B1	09-18-2007	Lang et al.	
		6,233,389 B1	05-15-2001	Barton et al.	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				

Examiner Signature	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. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

P0003C-CIP

Substitute for form 1449B/PTO <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;"><i>(Use as many sheets as necessary)</i></p>				Complete if Known	
		Application Number	09/935,426		
		Filing Date	August 22, 2001		
		First Named Inventor	David Locket		
		Art Unit	2621		
		Examiner Name	Chevalier, Robert		
Sheet	2	of	2	Attorney Docket Number	60097-0027

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		EUROPEAN PATENT OFFICE, "Communication pursuant to Article 94(3) EPC", Foreign application number 02 796 373.5-1522, received January 25, 2008, 6 pages.	
		CLAIMS, Foreign application number 02 796 373.5-1522, 5 pages.	

Examiner Signature		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.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Customer Ref. No. P0003C-CIP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	)	Confirmation No.: 9478
David Locket, et al.)	
Serial No.: 09/935,426	)	Examiner: Chevalier, Robert
Filed on: August 22, 2001	)	Group Art Unit No.: 2621

For: MULTIMEDIA SIGNAL PROCESSING SYSTEM

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is at least one copy of Form PTO/SB/08 (A or B) together with copies of the documents cited on that form, if needed. Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

- 37 C.F.R. §1.97(b). It is respectfully requested that the cited documents be considered and that each enclosed copy of Form PTO/SB/08 (A or B) be initialed by the Examiner to indicate such consideration and a copy thereof returned.

37 C.F.R. §1.97(c). If so, then this Information Disclosure Statement includes one of the following:

A statement pursuant to 37 C.F.R. §1.97(e)

1.97(e)(1) The undersigned hereby states that each item of information contained in this information disclosure statement was first 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.

1.97(e)(2) The undersigned hereby states that 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 §1.56(c) more than three months prior to the filing of this information disclosure statement.

A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).

It is respectfully requested that the cited documents be considered and that each enclosed copy of Form PTO/SB/08 (A or B) be initialed by the Examiner to indicate such consideration and a copy thereof returned.

37 C.F.R. §1.97(d). If so, then this Information Disclosure Statement includes the following:

A statement pursuant to 37 C.F.R. §1.97(e)

1.97(e)(1) The undersigned hereby states that each item of information contained in this information disclosure statement was first 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; OR

1.97(e)(2) The undersigned hereby states that no item of information contained in the 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 the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this information disclosure statement.

AND

A check for \$180.00 for the fee under 37 C.F.R. §1.17(i) for submission of the Information Disclosure Statement.

It is respectfully requested that the cited documents be considered and that each enclosed copy of Form PTO/SB/08 (A or B) be initialed by the Examiner to indicate such consideration and a copy thereof returned.

Throughout the pendency of this application, please charge any additional fees, including any required extension of time fees, and credit all overpayments to deposit account 50-1302.

Respectfully submitted,

HICKMAN PALERMO TRUONG & BECKER LLP

Dated: March 24, 2008

/KirkDWong#43284/

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Electronic Patent Application Fee Transmittal

Application Number:	09935426			
Filing Date:	22-Aug-2001			
Title of Invention:	Multimedia signal processing system			
First Named Inventor/Applicant Name:	David Locket			
Filer:	Kirk D. Wong			
Attorney Docket Number:	60097-0027			
Filed as Large Entity				
Utility Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
Total in USD (\$)				180

Electronic Acknowledgement Receipt

EFS ID:	3038111
Application Number:	09935426
International Application Number:	
Confirmation Number:	9478
Title of Invention:	Multimedia signal processing system
First Named Inventor/Applicant Name:	David Locket
Customer Number:	29989
Filer:	Kirk D. Wong
Filer Authorized By:	
Attorney Docket Number:	60097-0027
Receipt Date:	25-MAR-2008
Filing Date:	22-AUG-2001
Time Stamp:	19:43:51
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$ 180
RAM confirmation Number	3764
Deposit Account	501302
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Filed	09935426sb08a032108.pdf	39447	no	2
			79da2c1346889f9cca431f32d949945646ff2210		
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
2	NPL Documents	CLAIMS02796373.pdf	280377	no	5
			169c87cafbd8dfbf792992469a248bca3d176967		
Warnings:					
Information:					
3	NPL Documents	EPOOA02796373.pdf	634446	no	6
			f963507496a670f0fb2a522dfe16c71489d36812		
Warnings:					
Information:					
4	Information Disclosure Statement Letter	09935426ids032108.pdf	19766	no	4
			379f145dda9b4fd90226448dd2b15db45edfd82b		
Warnings:					
Information:					
5	Fee Worksheet (PTO-06)	fee-info.pdf	8146	no	2
			883a5d88e18742cc6f04131ea58786b79f343afa		
Warnings:					
Information:					
Total Files Size (in bytes):			982182		

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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Confirmation No.: 9478

James M. Barton, et al.

Group Art Unit No.: 2621

Serial No.: 09/935,426

Examiner: Robert Chevalier

Filed: August 22, 2001

For: MULTIMEDIA SIGNAL PROCESSING SYSTEM

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO OFFICE ACTION UNDER 37 CFR § 1.111

Dear Sir:

This is in response to the Office Action mailed January 28, 2008, the shortened statutory period for which runs until April 28, 2008. Please revise the subject application as indicated below.

Amendments to the specification, claims, and Remarks, are presented on separate sheets below.

Specification amendments are on pages 2-3.

Claim amendments are on pages 4-13.

Remarks are on pages 14-15.

IN THE SPECIFICATION

Please amend the paragraph on page 1, lines 5-7 as follows:

This application is a Continuation-in-part of U.S. Patent Application Ser. No. 09/827,029, filed on April 5, 2001[;] , and claims benefit of U.S. Provisional Patent Application Ser. No. 60/226,856, filed on August 22, 2000. U.S. Patent Application Ser. No. 09/827,029 is a Continuation of U.S. Patent 6,233,389, filed on July 30, 1998.

Please amend page 5, line 33-page 6, line 2, as follows:

Figs. 19A and 19B are [[is]] a block diagram of a first embodiment of the system of Figure 14 according to the invention;

Figs. 20A and 20B are [[is]] a block schematic diagram of a second embodiment of the system of Figure 14 according to the invention;

Figs. 21A and 21B are [[is]] a block schematic diagram of a third embodiment of the system of Figure 14 according to the invention; and

Please amend the paragraph on page 23, line 33-page 24, line 6 as follows:

The MPEG-2 encoder 1604 accepts input from the NTSC/PAL/SECAM video decoder 1602 and the audio input previously mentioned and produces an MPEG-2 transport stream as the output. In the preferred embodiment of the invention, the encoder 1604 is programmed to multiplex the audio and video inputs into a constant bitrate (CBR) MPEG-2 transport stream. However, in order to conserve disk space, it is also possible to program the encoder 1604 to produce a variable bit rate (VBR) stream. Subsequently, the transport stream is delivered to the decoder 1404 over the transport interface 1406 for demultiplexing and further processing. The input section 1401a further includes a memory element 1605 that is not under the control of the OS kernel. Figures 19A and 19B provide[[s]] a block schematic diagram of a system board 1900 incorporating the input section 1401a and the output section 1402. As shown, the MPEG-2 encoder is connected to the MPEG-2 decoder/graphics subassembly 1404 as a client on the PCI bus 1407.

Please amend the paragraph on page 24, lines 13-21 as follows:

Turning now to Figure 17, an input section 1401b is shown adapted to accept a digital satellite signal. The digital satellite input section 1401b accepts input from dual satellite

receivers 1701. Demodulators 1702 demodulate the incoming QPSK (quadrature phase shift keying) to yield a transport stream. Because the satellite transport stream is not fully MPEG-2 compliant, the MPEG-2 decoder/graphics subassembly 1404 must have the capability of decoding either type of stream. Thus, the transport stream is passed to the output section 1402 via the transport interface 1406 without any further modification or processing. Figures 20A and 20B provide[[s]] a block diagram of a system board 2000 incorporating the input section 1401b.

Please amend the paragraph on page 24, line 23-page 25, line 2 as follows:

Referring to Figure 18, an input section 1401c designed to accept either digital or analog cable input is shown. The input section accepts input from one or more RF coaxial connectors 1801, 1802 in both digital and analog format. The analog portion functions similarly to that of the analog input section 1401a. The video signal is decoded by dual NTSC decoders 1602. The audio is processed by dual multi-standard sound processors 1603 and the resulting output is fed to dual MPEG-2 encoders. It should be noted that, in the current version of the input section, each component is provided in duplicate. The digital cable signal is routed to dual demodulators 1803. Depending on the cable signal modulation, the demodulators may be either or both of QAM (quadrature amplitude modulation) and QPSK, either with or without DOCSIS (Data Over Cable Service Interface Specification) and/or DAVIC (Digital Audio Visual Council) support. As shown, the digital signal demodulators have associated with them a memory element 1804 that is controlled independently of the OS kernel. Figures 21A and 21B provide[[s]] a block diagram of a system board 2100 incorporating the digital cable input section 1401c. As in the previous versions, transport streams are passed to the output section 1402 via the transport interface 1406. The digital cable input section 1401c is connected to the MPEG-2 decoder/graphics subsection 1404 as a client on the PCI bus.

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A system for the simultaneous storage and playback of multimedia data, comprising:

an input section for acquiring ~~and tuning~~ an input signal;

an output section, wherein said input signal is passed to said output section as a transport stream; said output section including:

a processor;

~~means for decoding~~ a decoder subsystem that decodes said transport stream, said ~~means for decoding said transport stream~~ decoder subsystem connected to said processor by ~~means of~~ a first data bus transfer element; and

a ~~bridging element~~ media switch connected to said decoder subsystem ~~host controller~~ by ~~means of~~ a second data bus transfer element, said ~~bridging element~~ media switch operative to interface a plurality of system components and operates asynchronously from said processor.[[:]]

~~wherein said input section is individualized according to source type.~~

2. (Original) The system of Claim 1, wherein said input section is adapted to accept an analog input signal.

3. (Currently Amended) The system of Claim 2, wherein said input section accepts said analog input signal from any of: RF coaxial, composite audio/video ~~and~~ or S-video connectors.

4. (Currently Amended) The system of Claim 2, said input section comprising;

a tuner for ~~tuning to~~ selecting a desired channel;

a decoder for digitizing a video component of said input signal;

a ~~multi-standard~~ sound processor for processing an audio component of said input signal into a digitized audio component;

an MPEG-2 encoder, wherein said MPEG-2 encoder receives ~~said~~ digitized video and audio components, whereupon said digitized video and audio components signals are encoded and multiplexed into an MPEG-2 transport stream.

5. (Original) The system of Claim 4, further comprising a memory element.
6. (Currently Amended) The system of Claim 3, further comprising a secondary input, said secondary input comprising any of: a second set of RF coaxial, composite audio/video or S-video connectors.
7. (Original) The system of Claim 1, wherein said input section is adapted to accept a digital satellite input signal.
8. (Original) The system of Claim 7, wherein said input section comprises:
 - at least one satellite tuner; and
 - at least one demodulating element to demodulate the digital satellite signal to an MPEG-2 transport stream.
9. (Original) The system of Claim 1, wherein said input section is adapted to accept an input signal in both analog and digital formats from at least one RF coaxial connector.
10. (Currently Amended) The system of Claim 9, wherein said input section comprises:
 - at least one tuner for ~~tuning to~~ selecting a desired channel;
 - at least one decoder for digitizing a video component of said input signal;
 - at least one ~~multi-standard~~ sound processor for processing an audio component of said input signal into a digitized audio component;

an MPEG-2 encoder having multi-stream encode capability, wherein said MPEG-2 encoder receives said digitized video and audio components, whereupon said digitized video and audio components signals are encoded and multiplexed into an MPEG-2 transport stream.

11. (Original) The system of Claim 10, further comprising at least one memory element.
12. (Original) The system of Claim 1, said output section further comprising a transport interface, wherein said transport interface receives said transport stream from said input section.
13. (Currently Amended) The system of Claim 12, said ~~means for decoding a transport stream~~ decoder further comprising an MPEG transport stream decoder/graphics subsystem; ~~wherein said first data transfer element comprises a host bus.~~
14. (Currently Amended) The system of Claim 13, wherein said MPEG transport stream decoder/graphics subsystem includes any combination of:
 - a host bridge;
 - a memory controller;
 - an MPEG-2 transport demultiplexer;
 - an MPEG-2 decoder;
 - an audio/video decoder;
 - a graphics processor;
 - a PCI bus bridge; or
 - a bus controller[[:]] .
 - ~~a SMARTCARD interface; and~~
 - ~~a modem interface.~~
15. (Currently Amended) The system of Claim 14, said MPEG transport stream decoder/graphics subsystem further comprising at least one transport stream interface, wherein said transport stream interface receives said transport stream from said input section.
16. (Currently Amended) The system of Claim 14, wherein said transport stream is demultiplexed into audio and video packet streams, wherein said audio and video packet streams are stored and played back through an output side of said MPEG transport stream decoder/graphics subsystem.

17. (Currently Amended) The system of Claim 14, wherein said MPEG transport stream decoder/graphics subsystem further comprises a plurality of outputs, wherein said decoded ~~signal~~ transport stream is output to a television, said outputs including any of:

S-video;

audio;

SPDIR (Stereo Paired Digital Interface); ~~and or~~

CVBS (Composite Video Baseband Signal).

18. (Currently Amended) The system of Claim 14, further comprising a SMARTCARD interface and at least one SMARTCARD reader interfaced to said MPEG transport stream decoder/graphics subsystem.

19. (Currently Amended) The system of Claim 14, further comprising a flash PROM connected to said transport stream decoder/graphics subsystem, said PROM containing boot code that initializes said system prior to loading of an operating system kernel.

20. (Original) The system of Claim 14, further comprising a SDRAM connected to said transport stream decoder/graphics subsystem.

21. (Canceled)

22. (Currently Amended) The system of Claim 1, wherein said processor comprises a MIPS processor ~~and wherein said first data transfer element comprises a host bus.~~

23. (Original) The system of Claim 1, wherein said processor is operative to run system software, middleware, and application software.

24. (Original) The system of Claim 23, wherein said system software includes at least: an operating system kernel and device drivers, said system software operative to initialize and control hardware components.

25. (Currently Amended) The system of Claim 1, wherein said ~~bridging element~~ media switch comprises a media manager, said media manager including:

- a ~~[[n]] IDE host controller with data encryption;~~
- a DMA controller;
- ~~an IR receiver/transmitter interface;~~
- ~~at least one UART (Universal Asynchronous Receiver/Transmitter);~~
- ~~at least one I²S bus;~~
- ~~at least one GPIO (General Purpose Input/Output);~~
- a PCI bus arbiter; and
- an MPEG media stream processor[[:]] .
- ~~a PCM audio mixer (Pulse Code Modulation);~~
- ~~a high speed transport output interface;~~
- ~~a fan control; and~~
- ~~a scanning interface for a front panel navigation keypad cluster.~~

26. (Original) The system of Claim 25, wherein said media manager is implemented in an ASIC (Application Specific Integrated Circuit) or a programmable logic device.

27. (Canceled)

28. (Canceled)

29. (Currently Amended) The system of Claim 25, further comprising a real-time clock connected to ~~said~~ an I²S bus.

30. (Currently Amended) The system of Claim 25, further comprising a secure micro controller connected to ~~said~~ a UART (Universal Asynchronous Receiver/Transmitter) included in said media manager, said micro controller operative in cryptographic applications, including authentication and encryption/decryption.

31. (Currently Amended) The system of Claim 25, further comprising a RS232 port coupled to ~~said a~~ UART (Universal Asynchronous Receiver/Transmitter) included in said media manager.
32. (Original) The system of Claim 25, further comprising a IEEE1394 interface integrated on said media manager.
33. (Currently Amended) The system of Claim 25, further comprising a front panel LED array coupled to ~~said a~~ GPIO (General Purpose Input/Output) included in said media manager.
34. (Currently Amended) The system of Claim 25, further comprising a front panel navigation cluster coupled to ~~said a~~ GPIO (General Purpose Input/Output) included in said media manager.
35. (Currently Amended) The system of Claim 25, further comprising a remote control coupled to ~~said an~~ IR receiver/transmitter interface included in said media manager.
36. (Currently Amended) The system of Claim 1, wherein said second ~~data transfer bus~~ element comprises a system bus.
37. (Original) The system of Claim 36, wherein said system bus comprises a PCI bus.
38. (Original) The system of Claim 37, further comprising a USB (Universal Serial Bus) controller coupled to said PCI bus.
39. (Original) The system of Claim 1, wherein said system is implemented as a system board.
40. (Currently Amended) The system of Claim 1, wherein said output section is implemented as a plurality of microchips, the microchips connected to each other by ~~means of~~ said data transfer first and second bus elements.

41. (Original) The system of Claim 1, wherein said output section is implemented as either a single microchip or a chipset.

42. (Withdrawn) A system for processing a media stream across several channels simultaneously, comprising:

means for observing a data stream on a data bus;

means for identifying media streams within said data stream;

means for associating media stream data objects with their respective media streams;

a multi channel media stream processor, wherein said media processor processes media stream data across a plurality of channels, in parallel; and

means for monitoring and saving state of said processor as said processor switches from an original media stream to a next media stream, wherein, if said processor switches back to said original stream, a state associated with said original stream is reloaded.

43. (Withdrawn) The system of Claim 41, wherein said means for observing said data stream comprises a system interface, said system interface comprising a passive, slave client on said bus, wherein said system interface observes said data stream without interfering with data flow.

44. (Withdrawn) The system of Claim 43, wherein said system interface is individualized to a particular system type, said individualization being accomplished by one of: programmable switches and hardwiring.

45. (Withdrawn) The system of Claim 43, wherein said data bus is one of: a system bus and a memory bus.

46. (Withdrawn) The system of Claim 42, wherein said means for identifying a media stream comprises a media stream identifier, wherein said media stream distinguishes media streams from the remainder of said data stream according to source and destination addresses.

47. (Withdrawn) The system of Claim 42, wherein said means for associating media data objects with their respective media streams comprises a media identification generator, said media identification generator assigning tags to media stream data objects, so that any data object is associated with its stream of origin.

48. (Withdrawn) The system of Claim 42, wherein said means for monitoring and saving state of said processor comprises a multi-channel state engine, said state engine monitoring media stream identifiers, and saving said processor state, said saved state comprising a first state, when a media stream identifier associated with said next media stream is associated.

49. (Withdrawn) The system of Claim 48, wherein said state engine reloads the first state if a media stream identifier associated with said first state is presented.

50. (Withdrawn) The system of Claim 42, further comprising a media stream data structure, said processed media stream being saved to said data structure and routed to system memory as needed.

51. (Withdrawn) The system of Claim 42, wherein said system is implemented in a programmable logic device.

52. (Withdrawn) A method of processing a media stream across several channels simultaneously, comprising the steps of:

- observing a data stream on a data bus;
- identifying media streams within said data stream;
- associating media stream data objects with their respective media streams;
- processing media stream data across a plurality of channels, in parallel; and
- monitoring and saving a media processor state as said processor switches from an original media stream to a next media stream; and
- reloading state associated with said original stream if said processor switches back to said original stream.

53. (Withdrawn) The system of Claim 52, wherein said step of observing said data stream comprises the steps of:

providing a system interface, said system interface comprising a passive, slave client on said bus; and

said system interface observing said data stream without interfering with data flow.

54. (Withdrawn) The system of Claim 53, wherein said system interface is individualized to a particular system type, said individualization being accomplished by one of: programmable switches and hardwiring.

55. (Withdrawn) The system of Claim 53, wherein said data bus is one of: a system bus and a memory bus.

56. (Withdrawn) The system of Claim 52, wherein said step of identifying a media stream comprises the steps of:

distinguishing media streams from the remainder of said data stream according to source and destination addresses.

57. (Withdrawn) The method of Claim 52, wherein said step of:

associating media data objects with their respective media streams comprises:

assigning tags to media stream data objects, so that any data object is associated with its stream of origin.

58. (Withdrawn) The method of Claim 52, wherein said step of monitoring and saving said processor state comprises the steps of:

monitoring media stream identifiers; and

saving said processor state, said saved state comprising a first state, when a media stream identifier associated with said next media stream is associated.

59. (Withdrawn) The method of Claim 58, wherein said step of monitoring and saving said processor state further comprises:

reloading the first state if a media stream identifier associated with said first state is presented.

60. (Withdrawn) The method of Claim 52, further comprising the steps of:
saving said processed media stream to a media data structure; and
routing to system memory as needed.

61. (Withdrawn) The method of Claim 52, said method implemented by means of a programmable logic device.

REMARKS/ARGUMENTS

Claims 1-61 are pending in the application. Claims 1, 4, 6, 10, 13-19, 22, 25, 29-31, 33-36, and 40 have been amended. Claims 21, 27, and 28 have been cancelled. Claims 42-61 have been withdrawn. The amendments to the claims as indicated herein do not add any new matter to this application. Furthermore, amendments made to the claims as indicated herein have been made to exclusively improve readability and clarity of the claims and not for the purpose of overcoming alleged prior art.

I. **CLAIM REJECTIONS--35 U.S.C. § 102**

Claims 1-24 and 36-41 were rejected under 35 U.S.C. § 102(e) as being anticipated by MacInnis et al. This rejection is respectfully traversed.

Applicants note that the current Application claims priority to U.S. Patent No. 6,233,389, filed on July 30, 1998. The features of Claim 1 are fully supported in the parent application which predates the priority date of MacInnis which is apparently December 14, 1999, given that the Office Action has pointed to new material in MacInnis' parent application U.S. Patent No. 6,853,385 that was filed on August 18, 2000. Therefore, MacInnis does not apply.

Claim 1 is allowable. Claims 2-24 and 36-41 are dependent upon Claim 1 and are allowable. Applicant respectfully requests that the Examiner withdraw the rejection under 35 U.S.C. 102(e).

II. **CLAIM OBJECTIONS**

Applicants acknowledge that Claims 25-35 would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

III. CONCLUSION

Applicants respectfully requests that a timely Notice of Allowance be issued in this case.

The Applicants believe that all issues raised in the Office Action have been addressed and that allowance of the pending claims is appropriate. Entry of the amendments herein and further examination on the merits are respectfully requested.

The Examiner is invited to telephone the undersigned at (408) 414-1214 to discuss any issue that may advance prosecution.

To the extent necessary, Applicants petition for an extension of time under 37 C.F.R. § 1.136. The Commissioner is authorized to charge any fee that may be due in connection with this Reply to our Deposit Account No. 50-1302.

Respectfully submitted,

Hickman Palermo Truong & Becker LLP

Dated: June 9, 2008

/KirkDWong#43284/

Kirk D. Wong
Reg. No. 43,284

2055 Gateway Place, Suite 550
San Jose, California 95110-1089
Telephone No.: (408) 414-1080 ext. 214
Facsimile No.: (408) 414-1076

Electronic Patent Application Fee Transmittal

Application Number:	09935426			
Filing Date:	22-Aug-2001			
Title of Invention:	Multimedia signal processing system			
First Named Inventor/Applicant Name:	David Locket			
Filer:	Kirk D. Wong			
Attorney Docket Number:	60097-0027			
Filed as Large Entity				
Utility Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Extension - 2 months with \$0 paid	1252	1	460	460

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				460

Electronic Acknowledgement Receipt

EFS ID:	3421881
Application Number:	09935426
International Application Number:	
Confirmation Number:	9478
Title of Invention:	Multimedia signal processing system
First Named Inventor/Applicant Name:	David Locket
Customer Number:	29989
Filer:	Kirk D. Wong
Filer Authorized By:	
Attorney Docket Number:	60097-0027
Receipt Date:	09-JUN-2008
Filing Date:	22-AUG-2001
Time Stamp:	11:42:50
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$460
RAM confirmation Number	6284
Deposit Account	501302
Authorized User	WONG,KIRK D.

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
1		09935426Response.pdf	49455 <small>5abbf239795871afbe8c4224c196c5a34f04b168</small>	yes	15
Multipart Description/PDF files in .zip description					
	Document Description		Start		End
	Amendment - After Non-Final Rejection		1		1
	Specification		2		3
	Claims		4		13
	Applicant Arguments/Remarks Made in an Amendment		14		15
Warnings:					
Information:					
2	Fee Worksheet (PTO-06)	fee-info.pdf	8125 <small>f9ea0fe9354998cf9c77d745dbe6d949b7d75864</small>	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			57580		

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.

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.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875					Application or Docket Number 09/935,426		Filing Date 08/22/2001		<input type="checkbox"/> To be Mailed								
APPLICATION AS FILED – PART I																	
(Column 1)			(Column 2)			SMALL ENTITY <input checked="" type="checkbox"/> OR			OTHER THAN SMALL ENTITY								
FOR		NUMBER FILED	NUMBER EXTRA		RATE (\$)	FEE (\$)	OR			RATE (\$)	FEE (\$)						
<input type="checkbox"/> BASIC FEE <small>(37 CFR 1.16(a), (b), or (c))</small>		N/A	N/A		N/A					N/A							
<input type="checkbox"/> SEARCH FEE <small>(37 CFR 1.16(k), (l), or (m))</small>		N/A	N/A		N/A					N/A							
<input type="checkbox"/> EXAMINATION FEE <small>(37 CFR 1.16(o), (p), or (q))</small>		N/A	N/A		N/A					N/A							
TOTAL CLAIMS <small>(37 CFR 1.16(i))</small>		minus 20 =	*		X \$ =					X \$ =							
INDEPENDENT CLAIMS <small>(37 CFR 1.16(h))</small>		minus 3 =	*		X \$ =					X \$ =							
<input type="checkbox"/> APPLICATION SIZE FEE <small>(37 CFR 1.16(s))</small>		If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).															
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT <small>(37 CFR 1.16(j))</small>																	
* If the difference in column 1 is less than zero, enter "0" in column 2.																	
APPLICATION AS AMENDED – PART II					SMALL ENTITY			OR			OTHER THAN SMALL ENTITY						
(Column 1)			(Column 2)			(Column 3)			SMALL ENTITY			OR			OTHER THAN SMALL ENTITY		
AMENDMENT	06/09/2008		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	OR			RATE (\$)	ADDITIONAL FEE (\$)				
	Total <small>(37 CFR 1.16(i))</small>		* 58	Minus	** 61	= 0	X \$25 =	0				X \$ =					
	Independent <small>(37 CFR 1.16(h))</small>		* 3	Minus	***3	= 0	X \$105 =	0				X \$ =					
	<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>																
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>																
							TOTAL ADD'L FEE	0				TOTAL ADD'L FEE					
AMENDMENT			CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	OR			RATE (\$)	ADDITIONAL FEE (\$)				
	Total <small>(37 CFR 1.16(i))</small>		*	Minus	**	=	X \$ =					X \$ =					
	Independent <small>(37 CFR 1.16(h))</small>		*	Minus	***	=	X \$ =					X \$ =					
	<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>																
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>																
							TOTAL ADD'L FEE					TOTAL ADD'L 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.																	
							Legal Instrument Examiner: /ANTHONY WILLIAMS/										

This collection of information is required by 37 CFR 1.16. 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, 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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	)	Confirmation No.: 9478
David Locket, et al.)	
Serial No.: 09/935,426	)	Examiner: Chevalier, Robert
Filed on: August 22, 2001	)	Group Art Unit No.: 2621

For: MULTIMEDIA SIGNAL PROCESSING SYSTEM

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is at least one copy of Form PTO/SB/08 (A or B) together with copies of the documents cited on that form, if needed. Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

- 37 C.F.R. §1.97(b). It is respectfully requested that the cited documents be considered and that each enclosed copy of Form PTO/SB/08 (A or B) be initialed by the Examiner to indicate such consideration and a copy thereof returned.

37 C.F.R. §1.97(c). If so, then this Information Disclosure Statement includes one of the following:

A statement pursuant to 37 C.F.R. §1.97(e)

1.97(e)(1) The undersigned hereby states that each item of information contained in this information disclosure statement was first 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.

1.97(e)(2) The undersigned hereby states that 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 §1.56(c) more than three months prior to the filing of this information disclosure statement.

A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).

It is respectfully requested that the cited documents be considered and that each enclosed copy of Form PTO/SB/08 (A or B) be initialed by the Examiner to indicate such consideration and a copy thereof returned.

37 C.F.R. §1.97(d). If so, then this Information Disclosure Statement includes the following:

A statement pursuant to 37 C.F.R. §1.97(e)

1.97(e)(1) The undersigned hereby states that each item of information contained in this information disclosure statement was first 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; OR

1.97(e)(2) The undersigned hereby states that no item of information contained in the 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 the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this information disclosure statement.

AND

A check for \$180.00 for the fee under 37 C.F.R. §1.17(i) for submission of the Information Disclosure Statement.

It is respectfully requested that the cited documents be considered and that each enclosed copy of Form PTO/SB/08 (A or B) be initialed by the Examiner to indicate such consideration and a copy thereof returned.



The Examiner is hereby notified that for the following related application(s) an Office Action has been received as indicated below:

DISCLOSURE OF OFFICE ACTIONS

U.S. Application/ Pat. No.	File Date	Office Action Mailing Date	Atty. Docket. No.
10/418,646	04/18/2003	04/29/2008	60097-0225
11/051,347	02/04/2005	05/12/2008	60097-0297

The related application(s) may contain one or more claims that may be substantially similar to one or more claims in the present application, and those claims may have been rejected in the related application(s). Therefore, the Examiner is encouraged to review the file history(ies) of the related application(s) as some of the information contained therein may be material to the examination of the present application.

Throughout the pendency of this application, please charge any additional fees, including any required extension of time fees, and credit all overpayments to deposit account 50-1302.

Respectfully submitted,

HICKMAN PALERMO TRUONG & BECKER LLP

Dated: July 28, 2008

/KirkDWong#43284/

Kirk D. Wong
Reg. No. 43,284

2055 Gateway Place, Suite 550
San Jose, California 95110-1089
Telephone: (408) 414-1080
Facsimile: (408) 414-1076

Electronic Acknowledgement Receipt

EFS ID:	3693728
Application Number:	09935426
International Application Number:	
Confirmation Number:	9478
Title of Invention:	Multimedia signal processing system
First Named Inventor/Applicant Name:	David Locket
Customer Number:	29989
Filer:	Kirk D. Wong
Filer Authorized By:	
Attorney Docket Number:	60097-0027
Receipt Date:	01-AUG-2008
Filing Date:	22-AUG-2001
Time Stamp:	18:52:29
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	Information Disclosure Statement (IDS) Filed	09935426sb08a072908.pdf	29954 <small>dfca312ab4fa6d805fd267005d22285011ba12a5</small>	no	1

Warnings:

Information:

This is not an USPTO supplied IDS fillable form

2	Information Disclosure Statement Letter	09935426ids072908.pdf	22047	no	5
			29c9bdbd9239eae179951dd24254f363 9bc0afe1		

Warnings:

Information:

Total Files Size (in bytes):	52001
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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.



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.

09/935,426 08/22/2001 David Locket 60097-0027 9478

29989 7590 09/02/2008
HICKMAN PALERMO TRUONG & BECKER, LLP
2055 GATEWAY PLACE
SUITE 550
SAN JOSE, CA 95110

Table with 1 column: EXAMINER

CHEVALIER, ROBERT

Table with 2 columns: ART UNIT, PAPER NUMBER

2621

Table with 2 columns: MAIL DATE, DELIVERY MODE

09/02/2008 PAPER

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

The time period for reply, if any, is set in the attached communication.

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-20, 22-24, and 36-41, have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

2. 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.

3. Claims 1-20, 22-24, 36-41 are rejected under 35 U.S.C. 102(e) as being anticipated by Lang et al (P.N. 7,272,298).

Lang et al discloses a video recording/reproducing apparatus that shows all the limitations recited in claims 1, and 22-24, including the feature of simultaneous storage and playback of multimedia data (See Lang et al's Figure 4, component 580), the feature of acquiring an input signal (See Lang et al's Figure 4, components 410, 420), the feature of the output section wherein the input signal is passed to the output section as a transport stream (See Lang et al's Figure 4, component 400), the feature of the output section including the processor (See Lang et al's Figure 4, components 500, 530), the feature of the decoder that decodes the transport stream, the decoder is connected to the processor by a first data bus (See Lang et al's Figure 4, component

480), the feature of the media switch connected to the decoder by a second data bus, the media switch operative to interface a plurality of system components and operates asynchronously from the processor as specified in the present claims 1, and 22-24. (See Lang et al's Figure 4, components 470, 460, and 428).

With regard to claim 2, the feature of the input section being adapted to accept an analog input signal as specified thereof is present in Lang et al. (See Lang et al's column 8, lines 61-63).

With regard to claim 3, the feature of the input section accepting the analog input signal from any of RF coaxial, composite audio/video or S-video connectors as specified thereof is present in Lang et al. (See Lang et al's Figure 4, components 410, and 420).

With regard to claims 4, 10, it is noted that all the features recited thereof are also present in the cited reference of Lang et al, including the feature of the tuner for selecting a desired channel (See Lang et al's Figure 4, component 412), digitizing the video component and processing audio component and encoding the video/audio components into an MPEG-2 transport stream (See Lang et al's column 9, lines 5-22).

With regard to claims 5, 11, the feature of the memory element recited thereof is present in Lang et al. (See Lang et al's Figure 4, components 560, 580, 590).

With regard to claim 6, the feature of the secondary input comprising any of RF coaxial, composite audio/video or S-video connectors as specified thereof is present in Lang et al. (See Lang et al's Figure 4, components 410, and 420).

With regard to claim 7, the feature of accepting digital satellite input signal as specified thereof is present in Lang et al. (See Lang et al's column 8, line 64).

With regard to claim 8, the feature of the satellite tuner and demodulating the digital satellite signal to an MPEG-2 transport stream as specified thereof would be present in Lang et al. (See Lang et al's Figure 4, components 420, 412, 480).

With regard to claim 9, the feature of accepting input signal in both analog and digital formats as specified thereof is present in Lang et al. (See Lang et al's column 8, lines 61-64).

With regard to claim 12, the feature of the output section comprising a transport interface receiving the transport stream from the input section as specified thereof is present in Lang et al. (See Lang et al's Figure 4, components 570, 580, 590).

With regard to claim 13, the feature of the decoder /graphics subsystem recited thereof is present in Lang et al. (See Lang et al's Figure 4, component 480, and column 6, lines 59-60).

With regard to claim 14, the feature of the decoder/graphics subsystem includes any combination of : host bridge, a memory controller, MPEG-2 transport demultiplexer, MPEG-2 decoder, audio/video decoder, graphics processor, bus bridge or a bust controller, as specified thereof would be present in Lang et al. (See Lang et al's Figure 4, component 400, and column 6, lines 59-60).

With regard to claim 15, the feature of the transport stream interface receiving the transport stream from the input section as specified thereof is present in Lang et al. (See Lang et al's Figure 4, components 570, 580, 590).

With regard to claim 16, the feature of the audio/video streams being stored and played back through an output side of the MPEG transport stream decoder/graphics

subsystem as specified thereof is present in Lang et al. (See Lang et al's Figure 4, components 580, 590, 430, and 440).

With regard to claim 17, the feature of outputting the transport stream to a television, the outputs including any of: S-video, audio;SPDIR (Stereo Paired Digital Interface), CVBS (Composite Video Baseband Signal) as specified thereof is present in Lang et al. (See Lang et al's Figure 4, component 430).

With regard to claim 18, the feature of the smart card interface and at least one smartcard reader interfaced to the MPEG transport stream decode/graphics subsystem as specified thereof is present in Lang et al. (See Lang et al's column 9, lines 5-10).

With regard to claim 19, the feature of the PROM containing boot code that initializes the system prior to loading of an operating system kernel as specified thereof is present in Lang et al. (See Lang et al's Figure 4, component 530).

With regard to claim 20, the feature of the SDRAM connecting to the transport stream decoder/graphics subsystem as specified thereof is present in Lang et al. (See Lang et al's Figure 4, component 560).

With regard to claim 36, the feature of the second bus comprising a system bus as specified thereof is present in Lang et al. (See Lang et al's Figure 4, component 510).

With regard to claims 37-38, the feature of the PCI bus and the USB controller as specified thereof is considered to be present in Lang et al or is considered to be an obvious alternative equivalent, since, Lang et al discloses a system bus including an I/O controller for the purpose of connecting external device thereto. PCI bus and USB

controller is considered to be a notoriously well known to one of ordinary skill in the art. (See Lang et al's Figure 4, components 510, 570, and 590).

With regard to claims 39-41, the feature of the system being implemented as a system board, and the feature of the output section being implemented as plurality of microchips as specified thereof are present in Lang et al. (See Lang et al's column 9, lines 5-22).

4. Claims 25-26, 29-35, are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to ROBERT CHEVALIER whose telephone number is (571)272-7374. The examiner can normally be reached on MM-F (9:00-6:30), second Monday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thai Tran can be reached on 571-272-7382. 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.

/ROBERT CHEVALIER/
Primary Examiner, Art Unit 2621
August 27, 2008.

Notice of References Cited	Application/Control No. 09/935,426	Applicant(s)/Patent Under Reexamination LOCKET ET AL.	
	Examiner ROBERT CHEVALIER	Art Unit 2621	Page 1 of 1

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A US-7,272,298	09-2007	Lang et al.	386/83
	B US-			
	C US-			
	D US-			
	E US-			
	F US-			
	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)
	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.

Search Notes 	Application/Control No. 09935426	Applicant(s)/Patent Under Reexamination LOCKET ET AL.
	Examiner Chevalier, Bob	Art Unit 2621

SEARCHED			
Class	Subclass	Date	Examiner
386	46, 109, 111, 112, 83, 96, 124	1/14/08	R.C.
	udapted above search	8/27/08	R.C.

SEARCH NOTES		
Search Notes	Date	Examiner
Text search performed	1/14/08	R.C.
Text search performed	8/27/08	R.C.

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

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EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	"6233389".PN. OR "7272298". PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/08/27 17:44
L2	39879	pci near1 bus	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/08/27 17:47
L3	115702	system near1 bus	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/08/27 17:47
L4	12584	2 same 3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/08/27 17:47
L5	773	4 same usb	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/08/27 17:49
L6	20	5 same board	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/08/27 17:50
L7	7	5 same decod \$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/08/27 17:57
L8	306	5 same (video or television)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2008/08/27 18:05

8/ 27/ 08 6:09:11 PM

C:\Documents and Settings\RChevalier\My Documents\EAST\Workspaces\default.wsp

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
		Application Number	09/935,426
		Filing Date	August 22, 2001
		First Named Inventor	David Locket
		Art Unit	2621
		Examiner Name	Chevalier, Robert
Sheet	2	of	2
		Attorney Docket Number	60097-0027

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/RC/		UNITED STATES PATENT AND TRADEMARK OFFICE, "Ex Parte Reexamination Communication Transmittal Form", Reexamination Control Number 90/007750, dated November 28, 2007, 20 pages.	

Examiner Signature	/Robert Chevalier/	Date Considered	08/27/2008
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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.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Customer Ref. No. P0003C-CIP

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	09/935,426
		Filing Date	August 22, 2001
		First Named Inventor	David Locket
		Art Unit	2621
		Examiner Name	Chevalier, Robert
		Attorney Docket Number	60097-0027
Sheet	2	of	2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/RC/		EUROPEAN PATENT OFFICE, "Communication", European patent application 02796373.5, dated February 6, 2007, 3 pages.	<input type="checkbox"/>
/RC/		EUROPEAN PATENT OFFICE, "Communication pursuant to Article 96(2) EPC", European patent application 02 796 373.5, dated June 15, 2007, 2 pages.	<input type="checkbox"/>
/RC/		CLAIMS, European patent application 02 796 373.5, 8 pages.	<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>


Examiner Signature	/Robert Chevalier/	Date Considered	08/27/2008
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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.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


Customer Ref. No. P0003C-CIP

Index of Claims 	Application/Control No. 09935426	Applicant(s)/Patent Under Reexamination LOCKET ET AL.
	Examiner Chevalier, Bob	Art Unit 2621

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

Claims renumbered in the same order as presented by applicant
 CPA
 T.D.
 R.1.47

CLAIM		DATE							
Final	Original	11/20/2007	01/15/2008	08/27/2008					
	1	+	✓	✓					
	2	+	✓	✓					
	3	+	✓	✓					
	4	+	✓	✓					
	5	+	✓	✓					
	6	+	✓	✓					
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	32	+	O	O					
	33	+	O	O					
	34	+	O	O					
	35	+	O	O					
	36	+	✓	✓					

Index of Claims 	Application/Control No. 09935426	Applicant(s)/Patent Under Reexamination LOCKET ET AL.
	Examiner Chevalier, Bob	Art Unit 2621

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

Claims renumbered in the same order as presented by applicant
 CPA
 T.D.
 R.1.47

CLAIM		DATE							
Final	Original	11/20/2007	01/15/2008	08/27/2008					
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	38	+	✓	✓					
	39	+	✓	✓					
	40	+	✓	✓					
	41	+	✓	✓					
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	61	+	N	N					

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Confirmation No.: 9478

David Locket, et al.

Group Art Unit No.: 2621

Serial No.: 09/935,426

Examiner: Robert Chevalier

Filed: August 22, 2001

For: MULTIMEDIA SIGNAL PROCESSING SYSTEM

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO OFFICE ACTION UNDER 37 CFR § 1.111

Dear Sir:

This is in response to the Office Action mailed September 2, 2008, the shortened statutory period for which runs until December 2, 2008. The fee for a one-month extension of time is included herewith. Please revise the subject application as indicated below.

Amendments to the claims, and Remarks, are presented on separate sheets below.

Claim amendments are on pages 2-7.

Remarks are on pages 8-9.

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A system for the simultaneous storage and playback of multimedia data, comprising:

an input section for acquiring an input signal;

an output section, wherein said input signal is passed to said output section as a transport stream; said output section including:

a processor;

a decoder subsystem that decodes said transport stream, said decoder subsystem connected to said processor by a first data bus; and

a media switch connected to said decoder subsystem by a second data bus, said media switch operative to interface a plurality of system components and operates asynchronously from said processor[[]] , wherein said media switch comprises a media manager, said media manager including:

a host controller;

a DMA controller;

a bus arbiter; and

an MPEG media stream processor; and

a storage subsystem connected to said media switch, wherein multimedia data are stored on said storage subsystem and retrieved from said storage subsystem essentially simultaneously.

2. (Original) The system of Claim 1, wherein said input section is adapted to accept an analog input signal.

3. (Previously Presented) The system of Claim 2, wherein said input section accepts said analog input signal from any of: RF coaxial, composite audio/video or S-video connectors.

4. (Previously Presented) The system of Claim 2, said input section comprising;

a tuner for selecting a desired channel;
a decoder for digitizing a video component of said input signal;
a sound processor for processing an audio component of said input signal into a digitized audio component;
an MPEG-2 encoder, wherein said MPEG-2 encoder receives digitized video and audio components, whereupon said digitized video and audio components are encoded and multiplexed into an MPEG-2 transport stream.

5. (Original) The system of Claim 4, further comprising a memory element.
6. (Previously Presented) The system of Claim 3, further comprising a secondary input, said secondary input comprising any of: a second set of RF coaxial, composite audio/video or S-video connectors.
7. (Original) The system of Claim 1, wherein said input section is adapted to accept a digital satellite input signal.
8. (Original) The system of Claim 7, wherein said input section comprises:
at least one satellite tuner; and
at least one demodulating element to demodulate the digital satellite signal to an MPEG-2 transport stream.
9. (Original) The system of Claim 1, wherein said input section is adapted to accept an input signal in both analog and digital formats from at least one RF coaxial connector.
10. (Previously Presented) The system of Claim 9, wherein said input section comprises:
at least one tuner for selecting a desired channel;
at least one decoder for digitizing a video component of said input signal;
at least one sound processor for processing an audio component of said input signal into a digitized audio component;

an MPEG-2 encoder having multi-stream encode capability, wherein said MPEG-2 encoder receives said digitized video and audio components, whereupon said digitized video and audio components are encoded and multiplexed into an MPEG-2 transport stream.

11. (Original) The system of Claim 10, further comprising at least one memory element.
12. (Original) The system of Claim 1, said output section further comprising a transport interface, wherein said transport interface receives said transport stream from said input section.
13. (Previously Presented) The system of Claim 12, said decoder further comprising an MPEG transport stream decoder/graphics subsystem.
14. (Previously Presented) The system of Claim 13, wherein said MPEG transport stream decoder/graphics subsystem includes any combination of:
 - a host bridge;
 - a memory controller;
 - an MPEG-2 transport demultiplexer;
 - an MPEG-2 decoder;
 - an audio/video decoder;
 - a graphics processor;
 - a bus bridge; or
 - a bus controller.
15. (Previously Presented) The system of Claim 14, said MPEG transport stream decoder/graphics subsystem further comprising at least one transport stream interface, wherein said transport stream interface receives said transport stream from said input section.
16. (Previously Presented) The system of Claim 14, wherein said transport stream is demultiplexed into audio and video packet streams, wherein said audio and video packet

streams are stored and played back through an output side of said MPEG transport stream decoder/graphics subsystem.

17. (Previously Presented) The system of Claim 14, wherein said MPEG transport stream decoder/graphics subsystem further comprises a plurality of outputs, wherein said decoded transport stream is output to a television, said outputs including any of:

- S-video;
- audio;
- SPDIR (Stereo Paired Digital Interface); or
- CVBS (Composite Video Baseband Signal).

18. (Previously Presented) The system of Claim 14, further comprising a SMARTCARD interface and at least one SMARTCARD reader interfaced to said MPEG transport stream decoder/graphics subsystem.

19. (Previously Presented) The system of Claim 14, further comprising a flash PROM connected to said transport stream decoder/graphics subsystem, said PROM containing boot code that initializes said system prior to loading of an operating system kernel.

20. (Original) The system of Claim 14, further comprising a SDRAM connected to said transport stream decoder/graphics subsystem.

21. (Canceled)

22. (Previously Presented) The system of Claim 1, wherein said processor comprises a MIPS processor.

23. (Original) The system of Claim 1, wherein said processor is operative to run system software, middleware, and application software.

24. (Original) The system of Claim 23, wherein said system software includes at least: an operating system kernel and device drivers, said system software operative to initialize and control hardware components.

25. (Canceled)

26. (Currently Amended) The system of Claim [[25]] 1, wherein said media manager is implemented in an ASIC (Application Specific Integrated Circuit) or a programmable logic device.

27. (Canceled)

28. (Canceled)

29. (Currently Amended) The system of Claim [[25]] 1, further comprising a real-time clock connected to an I²S bus.

30. (Currently Amended) The system of Claim [[25]] 1, further comprising a secure micro controller connected to a UART (Universal Asynchronous Receiver/Transmitter) included in said media manager, said micro controller operative in cryptographic applications, including authentication and encryption/decryption.

31. (Currently Amended) The system of Claim [[25]] 1, further comprising a RS232 port coupled to a UART (Universal Asynchronous Receiver/Transmitter) included in said media manager.

32. (Currently Amended) The system of Claim [[25]] 1, further comprising a IEEE1394 interface integrated on said media manager.

33. (Currently Amended) The system of Claim [[25]] 1, further comprising a front panel LED array coupled to a GPIO (General Purpose Input/Output) included in said media manager.

34. (Currently Amended) The system of Claim [[25]] 1, further comprising a front panel navigation cluster coupled to a GPIO (General Purpose Input/Output) included in said media manager.

35. (Currently Amended) The system of Claim [[25]] 1, further comprising a remote control coupled to an IR receiver/transmitter interface included in said media manager.

36. (Previously Presented) The system of Claim 1, wherein said second bus element comprises a system bus.

37. (Original) The system of Claim 36, wherein said system bus comprises a PCI bus.

38. (Original) The system of Claim 37, further comprising a USB (Universal Serial Bus) controller coupled to said PCI bus.

39. (Original) The system of Claim 1, wherein said system is implemented as a system board.

40. (Previously Presented) The system of Claim 1, wherein said output section is implemented as a plurality of microchips, the microchips connected to each other by said first and second bus elements.

41. (Original) The system of Claim 1, wherein said output section is implemented as either a single microchip or a chipset.

42-61. (Canceled)

REMARKS/ARGUMENTS

Claims 1-20, 22-24, 26, and 29-41 are pending in the application. Claims 1, 26, and 29-35 have been amended. Claims 25 and 42-61 have been cancelled. The amendments to the claims as indicated herein do not add any new matter to this application. Furthermore, amendments made to the claims as indicated herein have been made to exclusively improve readability and clarity of the claims and not for the purpose of overcoming alleged prior art.

I. CLAIM REJECTIONS--35 U.S.C. § 102

Claims 1-20, 22-24, 36-41 were rejected under 35 U.S.C. § 102(e) as being anticipated Lang et al., U.S. Patent No. 7,272,298 (hereinafter “Lang”). This rejection is respectfully traversed.

Applicants have amended Claim 1 to include the features of Claim 25. The Office Action has stated that Claim 25 would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Therefore, Claim 1 is allowable. Claims 2-20, 22-24, 36-41 are dependent upon independent Claim 1. Applicant respectfully requests that the Examiner withdraw the rejection under 35 U.S.C. 102(e).

II. ALLOWABLE CLAIMS

The Office Action states that Claims 25-26, 29-35 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Applicants have amended Claim 1 to include the features of Claim 25. As noted above, Claim 1 is allowable.

III. CONCLUSION

Applicants respectfully requests that a timely Notice of Allowance be issued in this case.

The Applicants believe that all issues raised in the Office Action have been addressed and that allowance of the pending claims is appropriate. Entry of the amendments herein and further examination on the merits are respectfully requested.

The Examiner is invited to telephone the undersigned at (408) 414-1214 to discuss any issue that may advance prosecution.

To the extent necessary, Applicants petition for an extension of time under 37 C.F.R. § 1.136. The Commissioner is authorized to charge any fee that may be due in connection with this Reply to our Deposit Account No. 50-1302.

Respectfully submitted,

HICKMAN PALERMO TRUONG & BECKER LLP

Dated: December 31, 2008

/KirkDWong#43284/

Kirk D. Wong
Reg. No. 43,284

2055 Gateway Place, Suite 550
San Jose, California 95110-1089
Telephone No.: (408) 414-1080 ext. 214
Facsimile No.: (408) 414-1076

Electronic Patent Application Fee Transmittal

Application Number:	09935426			
Filing Date:	22-Aug-2001			
Title of Invention:	Multimedia signal processing system			
First Named Inventor/Applicant Name:	David Locket			
Filer:	Kirk D. Wong			
Attorney Docket Number:	60097-0027			
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Extension - 1 month with \$0 paid	1251	1	130	130

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				130

Electronic Acknowledgement Receipt

EFS ID:	4542929
Application Number:	09935426
International Application Number:	
Confirmation Number:	9478
Title of Invention:	Multimedia signal processing system
First Named Inventor/Applicant Name:	David Locket
Customer Number:	29989
Filer:	Kirk D. Wong
Filer Authorized By:	
Attorney Docket Number:	60097-0027
Receipt Date:	31-DEC-2008
Filing Date:	22-AUG-2001
Time Stamp:	17:54:32
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$130
RAM confirmation Number	1851
Deposit Account	501302
Authorized User	WONG,KIRK D.

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)
 Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)
 Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		60097-0027Responseasfiled.pdf	35124 <small>36ad29c65df7886f88f9e6743c325318c24f88b2</small>	yes	9

Multipart Description/PDF files in .zip description

Document Description	Start	End
Amendment/Req. Reconsideration-After Non-Final Reject	1	1
Claims	2	7
Applicant Arguments/Remarks Made in an Amendment	8	9

Warnings:

Information:

2	Fee Worksheet (PTO-06)	fee-info.pdf	29680 <small>8fc6904f2f1b22064ad8ce0dc88fba2ad97b9d98</small>	no	2
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Warnings:

Information:

Total Files Size (in bytes): 64804

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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.

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.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875					Application or Docket Number 09/935,426		Filing Date 08/22/2001		<input type="checkbox"/> To be Mailed		
APPLICATION AS FILED – PART I											
(Column 1)			(Column 2)			SMALL ENTITY <input checked="" type="checkbox"/> OR		OTHER THAN SMALL ENTITY			
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)			RATE (\$)	FEE (\$)			
<input checked="" type="checkbox"/> BASIC FEE <small>(37 CFR 1.16(a), (b), or (c))</small>	N/A	N/A	N/A	355			N/A	N/A			
<input type="checkbox"/> SEARCH FEE <small>(37 CFR 1.16(k), (l), or (m))</small>	N/A	N/A	N/A				N/A				
<input type="checkbox"/> EXAMINATION FEE <small>(37 CFR 1.16(o), (p), or (q))</small>	N/A	N/A	N/A				N/A				
TOTAL CLAIMS <small>(37 CFR 1.16(i))</small>	minus 20 =	*	X \$ =		OR		X \$ =				
INDEPENDENT CLAIMS <small>(37 CFR 1.16(h))</small>	minus 3 =	*	X \$ =				X \$ =				
<input type="checkbox"/> APPLICATION SIZE FEE <small>(37 CFR 1.16(s))</small>	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).										
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT <small>(37 CFR 1.16(j))</small>											
* If the difference in column 1 is less than zero, enter "0" in column 2.											
			TOTAL	355			TOTAL				
APPLICATION AS AMENDED – PART II											
(Column 1)			(Column 2)			SMALL ENTITY OR		OTHER THAN SMALL ENTITY			
AMENDMENT	12/31/2008	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)			
	<small>Total (37 CFR 1.16(i))</small>	* 37	Minus	** 61	= 0	X \$26 =	0	OR	X \$ =		
	<small>Independent (37 CFR 1.16(h))</small>	* 1	Minus	***3	= 0	X \$110 =	0	OR	X \$ =		
	<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>										
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>										
			TOTAL ADD'L FEE	0			TOTAL ADD'L FEE				
AMENDMENT	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)				
	<small>Total (37 CFR 1.16(i))</small>	*	Minus	**	=	X \$ =		OR	X \$ =		
	<small>Independent (37 CFR 1.16(h))</small>	*	Minus	***	=	X \$ =		OR	X \$ =		
	<input type="checkbox"/> Application Size Fee <small>(37 CFR 1.16(s))</small>										
	<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <small>(37 CFR 1.16(j))</small>										
			TOTAL ADD'L FEE			TOTAL ADD'L 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.											

Legal Instrument Examiner:
/KIMBERLY JONES/

This collection of information is required by 37 CFR 1.16. 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, 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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

David Lockett, et al.

Serial No.: 09/935,426

Filed on: August 22, 2001

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Confirmation No.: 9478

Examiner: Chevalier, R.

Group Art Unit No.: 2621

For: MULTIMEDIA SIGNAL PROCESSING SYSTEM

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is at least one copy of Form PTO/SB/08 (A or B) together with copies of the documents cited on that form, if needed. Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

37 C.F.R. §1.97(b). It is respectfully requested that the cited documents be considered and that each enclosed copy of Form PTO/SB/08 (A or B) be initialed by the Examiner to indicate such consideration and a copy thereof returned.



37 C.F.R. §1.97(c). If so, then this Information Disclosure Statement includes one of the following:



A statement pursuant to 37 C.F.R. §1.97(e)



1.97(e)(1) The undersigned hereby states that each item of information contained in this information disclosure statement was first 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.



1.97(e)(2) The undersigned hereby states that 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 §1.56(c) more than three months prior to the filing of this information disclosure statement.



A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).

It is respectfully requested that the cited documents be considered and that each enclosed copy of Form PTO/SB/08 (A or B) be initialed by the Examiner to indicate such consideration and a copy thereof returned.

37 C.F.R. §1.97(d). If so, then this Information Disclosure Statement includes the following:

A statement pursuant to 37 C.F.R. §1.97(e)

1.97(e)(1) The undersigned hereby states that each item of information contained in this information disclosure statement was first 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; OR

1.97(e)(2) The undersigned hereby states that no item of information contained in the 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 the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this information disclosure statement.

AND

A check for \$180.00 for the fee under 37 C.F.R. §1.17(i) for submission of the Information Disclosure Statement.

It is respectfully requested that the cited documents be considered and that each enclosed copy of Form PTO/SB/08 (A or B) be initialed by the Examiner to indicate such consideration and a copy thereof returned.