PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 10/995,159	Filing Date 11/24/2004	☐ To be Mailed

APPLICATION AS FILED – PART I

			SMALL ENTITY ☐	OR	OTHER THAN SMALL ENTITY

FOR	NUMBER FILED	NUMBER EXTRA	RATE ($)	FEE ($)		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =		OR	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =			X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	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).						
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	

APPLICATION AS AMENDED – PART II

			SMALL ENTITY	OR	OTHER THAN SMALL ENTITY

AMENDMENT

03/16/2009	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)		RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	* 21	Minus	** 21	= 0	X $ =		OR	X $52=	0
Independent (37 CFR 1.16(h))	* 4	Minus	***4	= 0	X $ =		OR	X $220=	0
☐ Application Size Fee (37 CFR 1.16(s))									
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	0

AMENDMENT

	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)		RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =		OR	X $ =	
Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =		OR	X $ =	
☐ Application Size Fee (37 CFR 1.16(s))									
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
					TOTAL ADD'L FEE		OR	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:
/Theresa Dawkins/

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/995,159	11/24/2004	Danny Lange	2222.0300002	5640

26111   7590   05/05/2009
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

EXAMINER
BLAIR, DOUGLAS B

ART UNIT	PAPER NUMBER
2442	

MAIL DATE	DELIVERY MODE
05/05/2009	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.

<table>
<tr><td rowspan="2">Office Action Summary</td><td>Application No.
10/995,159</td><td>Applicant(s)
LANGE ET AL.</td><td></td></tr>
<tr><td>Examiner
DOUGLAS B. BLAIR</td><td>Art Unit
2442</td><td></td></tr>
</table>

-- 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 <u>3</u> 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 <u>16 March 2009</u>.

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) <u>86-106</u> 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) <u>86-106</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date <u>11/24/04 and 2/5/08</u>.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____.

DETAILED ACTION

Election/Restrictions

The restriction requirement is moot as the applicant has cancelled Group I (claims 77-85).

Response to Amendment

Claims 77-85 are cancelled and claims 98-106 are added. Claims 86-106 are currently

pending.

Claim Rejections - 35 USC § 102

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.

Claims 86-106 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent

Number 7,043,532 to Humpleman et al.

As to claim 86, Humpleman teaches a system for performing user customized network-

based operations, comprising: means for allowing a user to create a network-based agent

associated with the user, wherein the network-based agent is configured to perform an operation

on behalf of the user (col. 4, lines 41-58, the GUI); means for invoking the execution of the

network-based agent on the occurrence of an event (the GUI is invoked when a user wants to

access a service); means, including the network-based agent, for using a service and a service

resource when performing the operation on behalf of the user (col. 4, lines 59-67); and means for

communicating the result of the operation to the user over a network communications link (col.

4, lines 59-67).

As to claim 87, Humpleman teaches the system of claim 86, wherein the network

communications link is a communications link in a public-switched communications network

(col. 4, lines 41-67).

As to claim 88, Humpleman teaches the system of claim 87, further comprising: means

for mediating the interaction between the means for using the service and the service (col. 4,

lines 41-67).

As to claim 89, Humpleman teaches the system of claim 88, wherein the means for

mediating comprises: means for monitoring the amount of the service resource used by the

network-based agent (col. 22, lines 20-67).

As to claim 90, Humpleman teaches the system of claim 89, wherein the means for

mediating further comprises: means for converting between a first messaging protocol used by

the network-based agent and a second messaging protocol used by the service (col. 11, line 63-

col. 12, line 9).

As to claim 91, Humpleman teaches the system of claim 86, further comprising: means

for allowing the user to modify the network-based agent associated with the user (The user

modifies the GUI by interacting with it).

As to the rest of the claims they are rejected for the same reasoning as claims 86-91.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to DOUGLAS B. BLAIR whose telephone number is (571)272-

3893. The examiner can normally be reached on 9:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Andrew Caldwell can be reached on (571) 272-3868. 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.

/Douglas B Blair/
Primary Examiner, Art Unit 2442

		Application/Control No.	Applicant(s)/Patent Under Reexamination
Notice of References Cited		10/995,159	LANGE ET AL.
		Examiner	Art Unit	
		DOUGLAS B. BLAIR	2442	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-6,049,819	04-2000	Buckle et al.	709/202
*	B	US-2002/0199036	12-2002	Arnold et al.	709/330
*	C	US-7,305,472	12-2007	Mighdoll et al.	709/226
*	D	US-6,247,056	06-2001	Chou et al.	709/229
*	E	US-2005/0027870	02-2005	Trebes, Harold Herman JR.	709/227
*	F	US-7,043,532	05-2006	Humpleman et al.	709/208
	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.

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L8	61	("4575797" | "4653100" | "4716583" | "4974254" | "5001745" | "5079695" | "5093914" | "5129083" | "5129084" | "5136634" | "5187790" | "5206951" | "5261080" | "5297283" | "5303375" | "5303379" | "5307490" | "5321841" | "5327559" | "5339430" | "5351276" | "5367454" | "5377350" | "5379426" | "5396630" | "5414852" | "5421013" | "5421015" | "5446842" | "5446901" | "5452433" | "5500920" | "5546584" | "5559927" | "5603031" | "5608786" | "5636325" | "5665081" | "5825759" | "5826258" | "5860064" | "5873057" | "5890123" | "5913214" | "5953392" | "5963949" | "5974441" | "5983190" | "5983267" | "5987415" | "6016393" | "6016520" | "6067568" | "6144938" | "6163794" | "6285977" | "6363411" | "6366650" | "6457063" | "6657990" | "6839733").PN.	US-PGPUB; USPAT	OR	OFF	2009/05/04 11:17
S2	2	("6839733" "6163794").pn.	US-PGPUB; USPAT	OR	OFF	2006/10/16 10:55
S3	2919	709/201.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 16:54
S4	9	agent$1 near server$1 same (service near wrapper $1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 16:55
S5	0	S4 and (@rlad< "19981023" @ad< "19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 16:56

S6	154	(service near wrapper$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 16:57
S7	5	S6 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 16:57
S8	47	agent$1 near server$1 same (service with resource$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 17:00
S9	4	S8 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 17:00
S10	785	S3 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 17:04
S11	135	S10 and (service$1 with resource$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 17:04
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S13	121	"service wrapper"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:36
S14	169	(service near wrapper$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:36
S15	5	S14 and (@rlad< "19981023" @ad< "19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:36
S16	1891	service$1 with transcod$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:38
S17	145	S16 and (@rlad< "19981023" @ad< "19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:38
S18	3776	709/226.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:40
S19	2	S17 and S18	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:40
S20	1978	709/202.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:46
S21	97	S18 and S20	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:46

S22	22	S21 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:46
S23	170	(service near wrapper$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:32
S24	9	S23 with invok$3	US-PGPUB; USPAT	OR	OFF	2009/04/30 16:32
S25	0	S24 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:32
S26	5	S23 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:32
S27	1911	service$1 with transcod$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:35
S28	519	S27 and protocol$1 with (conver$5 or translat$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:35
S29	206	S28 and service with resource$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:35
S30	113	S28 and service near2 resource$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:35
S31	1	S28 and (service near2 resource$1) with (mediat$3 or monitor$3 or amount$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:36
S32	2	S30 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:36

S33	12987	service near2 resource$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:37
S34	74	S33 same (protocol$1 with (conver$5 or translat$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:37
S35	15	S34 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:38
S36	87784	(resource$1) with (mediat$3 or monitor$3 or amount$1 or consum$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:43
S37	5562	S36 and (protocol$1 with (conver$5 or translat$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:43
S38	871	S37 and user$1 with agent $1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:44
S39	151	S38 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:44
S40	128	S37 and user$1 with agent $1 with creat$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:44
S41	67	S40 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:45

| S42 | 117 | ("4575797" \| "4653100" \| "4716583" \| "4974254" \| "5001745" \| "5079695" \| "5093914" \| "5129083" \| "5129084" \| "5136634" \| "5187790" \| "5206951" \| "5261080" \| "5297283" \| "5303375" \| "5303379" \| "5307490" \| "5321841" \| "5327559" \| "5339430" \| "5351276" \| "5367454" \| "5377350" \| "5379426" \| "5396630" \| "5414852" \| "5421013" \| "5421015" \| "5446842" \| "5446901" \| "5452433" \| "5500920" \| "5546584" \| "5559927" \| "5603031" \| "5608786" \| "5636325" \| "5665081" \| "5825759" \| "5826258" \| "5860064" \| "5873057" \| "5890123" \| "5913214" \| "5953392" \| "5963949" \| "5974441" \| "5983190" \| "5983267" \| "5987415" \| "6016393" \| "6016520" \| "6067568" \| "6144938" \| "6163794" \| "6285977" \| "6363411" \| "6366650" \| "6457063" \| "6657990" \| "6839733").PN. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/30 17:10 |

5/4/09 12:07:33 PM
C:\Documents and Settings\dblair\My Documents\EAST\workspaces\10995159.wsp

Substitute for form 1449/PTO	**Complete if Known**	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT *(Use as many sheets as necessary)*	Application Number	10/995,159
	Filing Date	November 24, 2004
	First Named Inventor	Danny LANGE
	Art Unit	2142
	Examiner Name	Douglas B. Blair
Sheet 1 of 3	Attorney Docket Number	2222.0300002

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (If Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/DB/	US1	4,575,797	03-11-1986	Gruner et al.	
/DB/	US2	4,653,100	03-24-1987	Barnett et al.	
/DB/	US3	4,716,583	12-01-1987	Groner et al.	
/DB/	US4	4,974,254	11-01-1990	Perine et al.	
/DB/	US5	5,001,745	03-01-1991	Pollock	
/DB/	US6	5,079,695	01-01-1992	Dysart et al.	
/DB/	US7	5,093,914	03-01-1992	Coplien et al.	
/DB/	US8	5,129,083	07-01-1992	Cutler et al.	
/DB/	US9	5,129,084	07-01-1992	Kelly, Jr. et al.	
/DB/	US10	5,136,634	08-01-1992	Rae et al.	
/DB/	US11	5,187,790	02-01-1993	East et al.	
/DB/	US12	5,206,951	04-01-1993	Khoyi et al.	
/DB/	US13	5,261,080	11-01-1993	Khoyi et al.	
/DB/	US14	5,297,283	03-01-1994	Kelly, Jr. ct al.	
/DB/	US15	5,303,375	04-01-1994	Collins et al.	
/DB/	US16	5,303,379	04-01-1994	Khoyi et al.	
/DB/	US17	5,307,490	04-01-1994	Davidson et al.	
/DB/	US18	5,321,841	06-01-1994	East et al.	
/DB/	US19	5,327,559	07-01-1994	Priven et al.	
/DB/	US20	5,339,430	08-01-1994	Lundin et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3] Number[4] Kind Code[5] (if known)	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]
/DB/	FP1	WO 91/10191 A1	07-11-1991	Aoe et al.		
/DB/	FP2	WO 96/11542 A2	04-18-1996	Miner et al.		
/DB/	FP3	WO 97/33416 A1	09-12-1997	Taskett		
/DB/	FP4	EP 0 495310 A2	07-22-1992	Campbell et al.		
/DB/	FP5	EP 0 495319 A2	07-22-1992	Crossland et al.		
/DB/	FP6	EP 0 546809 A2	06-16-1993	Conner et al.		
/DB/	FP7	EP 0 697780 A2	02-21-1996	Martin et al.		
	FP8					
	FP9					

Examiner Signature	/Douglas Blair/	Date Considered	05/04/2009

Substitute for form 1449/PTO			*Complete if Known*	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT *(Use as many sheets as necessary)*			Application Number	10/995,159
			Filing Date	November 24, 2004
			First Named Inventor	Danny LANGE
			Art Unit	2142
			Examiner Name	Douglas B. Blair
Sheet	2	of	3	Attorney Docket Number	2222.0300002

U.S. PATENT DOCUMENTS

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/DB/	US21	5,351,276	09-01-1994	Doll, Jr. et al.	
/DB/	US22	5,367,454	11-01-1994	Kawamoto et al.	
/DB/	US23	5,377,350	12-01-1994	Skinner	
/DB/	US24	5,379,426	01-01-1995	Foss et al.	
/DB/	US25	5,396,630	03-01-1995	Banda et al.	
/DB/	US26	5,414,852	05-01-1995	Kramer et al.	
/DB/	US27	5,421,013	05-01-1995	Smith	
/DB/	US28	5,421,015	05-01-1995	Khoyi et al.	
/DB/	US29	5,446,842	08-01-1995	Schaeffer et al.	
/DB/	US30	5,446,901	08-01-1995	Quicki et al.	
/DB/	US31	5,452,433	09-01-1995	Nihart et al.	
/DB/	US32	5,500,920	03-01-1996	Kupiec	
/DB/	US33	5,546,584	08-13-1996	Lundin et al.	
/DB/	US34	5,559,927	09-01-1996	Clynes	
/DB/	US35	5,608,786	03-04-1997	Gordon	
/DB/	US36	5,636,325	06-01-1997	Farrett	
/DB/	US37	5,860,064	01-01-1999	Henton	
/DB/	US38	5,873,057	02-01-1999	Eves et al.	
/DB/	US39	5,890,123	03-30-1999	Brown et al.	
/DB/	US40	5,987,415	11-01-1999	Breese et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document — Country Code[3] Number[4] Kind Code[5] (if known)	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]
	FP10					
	FP11					
	FP12					
	FP13					
	FP14					
	FP15					
	FP16					
	FP17					
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Examiner Signature	/Douglas Blair/	Date Considered	05/04/2009

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FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT *(Use as many sheets as necessary)*	Application Number	10/995,159
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	First Named Inventor	Danny LANGE
	Art Unit	2142
	Examiner Name	Douglas B. Blair
Sheet 3 of 3	Attorney Docket Number	2222.0300002

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.[1]	Document Number — Number-Kind Code[2] (If Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/DB/	US41	6,144,938	11-07-2000	Surace et al.	
/DB/	US42	6,366,650 B1	04-02-2002	Rhie et al.	
/DB/	US43	6,839,733 B1	01-04-2005	Lange et al.	
	US44				
	US45				
	US46				
	US47				
	US48				
	US49				
	US50				
	US51				
	US52				
	US53				
	US54				
	US55				
	US56				
	US57				
	US58				
	US59				
	US60				

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.[1]	Foreign Patent Document — Country Code[3] Number[4] Kind Code[5] (if known)	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]
	FP19					
	FP20					
	FP21					
	FP22					
	FP23					
	FP24					
	FP25					
	FP26					
	FP27					

Examiner Signature	/Douglas Blair/	Date Considered	05/04/2009

*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, 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 (1-800-786-9199) and select option 2.

Substitute for form 1449/PTO	**Complete if Known**	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT *(Use as many sheets as necessary)*	Application Number	10/995,159
	Filing Date	November 24, 2004
	First Named Inventor	Danny LANGE
	Art Unit	2142
	Examiner Name	Douglas B. Blair
Sheet	1	of	5	Attorney Docket Number	2222.0300002

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
/DB/	NPL1	S Gibbs, "Class Management for Software Communities", Communications Of The Association For Computing Machinery, vol. 33, No. 9, 1 Sep. 1990, pp. 90-103, XP 000162393.	
/DB/	NPL2	K. Nielsen, et al., "Inter-Processor Communication and ADA in Distributed Real-Time Systems", Computer Communications, vol. 13, No. 8, 1 Oct. 1990, pp. 451-459, XP 000161020.	
/DB/	NPL3	W. Gentleman, et al., "Administrators and Multiprocessor Rendezvous Mechanisms", Software Practice & Experience, vol. 22, No. 1. Jan. 1992 Chichester GB.	
/DB/	NPL4	G. Welling, et al. "An Architecture of a Threaded Many-to-Many Remote Procedure Call", Proceedings Of The International Conference On Distributed Compution Systems, Yokohama, Jun. 9-12, 1992 No. Conf. 12, 9 Jun. 1992, Institute Of Electrical And Electronics Engineers, pp. 504-511, XP 000341046.	
/DB/	NPL5	U. Ramachandran, et al. "An Implementation of Distributed Shared Memory", Software Practice & Experience, vol. 21, No. 5, 1 May 1991, pp. 443-464, XP 000297178.	
/DB/	NPL6	H. Bruggemann, "Rights in an Object-Oriented Environment", Database Security V. Status And Prospects Results Of The IFIP WG 11.3 Workshop, 4 Nov. 1991, Shepherdstown, USA.	
/DB/	NPL7	M. Rottman and D. Thompson, "The Amcad Real-Time Multiprocessor Operating System", Proceedings of the IEEE 1989 National Aerospace and Electronics Conference NAECON 1989, pp. 1813-1818, (1989).	
/DB/	NPL8	A. Corradi, L. Leonardi and M. Zannini, "Distributed Environments Based on Objects: Upgrading Smalltalk Toward Distribution", Ninth Annual International Phoenix Conference On Computers And Communications, 21-23 Mar. 1990 Conference Proceedings, IEEE Computer Society, pp. 332-339, (1990).	
/DB/	NPL9	J. Padget, R. Bradford and J. Fitch, "Concurrent Object-Oriented Programming in LISP", Computer Journal, vol. 34, No. 4, Aug. 1991, pp. 311-319, (1991).	
/DB/	NPL10	L. Gunaseelan and R. LeBlanc, Jr., "Distributed Eiffel: A Language for Programming Multi-Granular Distributed Objects on the Clouds Operating System", Proceedings Of the 1992 International Conference on Computer Languages, IEEE Computer Society, pp. 331-340 (1992).	

Examiner Signature	/Douglas Blair/	Date Considered	05/04/2009

Substitute for form 1449/PTO	*Complete if Known*	
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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 number, publisher, city and/or country where published	T[2]
/DB/	NPL11	K. Ogata, S. Kurihara, M. Inari and N. Doi, "The Design and Implementation of HoME", ACM Sigplan '92 Conference On Programming Language Design And Implementation, San Francisco, CA 17-19 Jun. 1992, ACM Sigplan Notices, vol. 27, No. 7, pp. 44-54, (Jul. 1992).	
/DB/	NPL12	James W. Stamos and David K. Gifford, "Remote Evaluation", ACM Transctions on Programming Languages and Systems, vol. 12, No. 4, Oct. 1990, pp. 537-565.	
/DB/	NPL13	James W. Stamos and David K. Gifford, "Implementing Remote Evaluation", IEEE Transactions on Software Engineering, vol. 16, No. 7, Jul. 1990, pp. 710-722.	
/DB/	NPL14	Casais, Eduardo, "An Object Oriented System Implementing KNOs", Proceedings of the Conference on Office Information Systems, vol. 9, Nos 2-3, pp. 284-290 (1988).	
/DB/	NPL15	Kahn, Robert E., and Cerf, Vinton G., "The Digital Library Project: vol. 1: The World of Knowbots"; Corporation of National Research Initiatives (Draft) (1988).	
/DB/	NPL16	Borenstein, Nathaniel S., "Secure and Portable Active Messaging: A New Platform for Distributed Applications and Cooperative Work," was to be submitted to Communications of the ACM for publication (date unknown).	
/DB/	NPL17	Curtis, Pavel, "LambdaMOO Programmer's Manual", retrieved as /lambda/moo/gamma/ProgrammersManual.texinfo from the Internet network (Aug. 1991).	
/DB/	NPL18	Hutchinson, Norman C.; Raj, Rajendra K.; Black, Andrew P.; Levy, Henry M.; and Jul, Eric, "The Emerald Programming Language Report", Technical Report 87-10-07, Department of Computer Science, University of Washington (Oct. 1987).	
/DB/	NPL19	Jul, Eric; Levy, Henry; Hutchinson, Norman; and Black, Andrew, "Fine-Grained Mobility in the Emerald System", ACM Transactions on Computer Systems, vol. 6, No. 1, pp. 109-133 (Feb. 1988).	
/DB/	NPL20	Rashid, Richard F., and Robertson, George G., "Accent: A Communication Oriented Network Operating System Kernel", ACM document number 0-89791-062-1-12/81-0064, pp. 64-75 (1981).	

Examiner Signature	/Douglas Blair/	Date Considered	05/04/2009

Substitute for form 1449/PTO			*Complete if Known*	
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Sheet	3	of	5	Attorney Docket Number	2222.0300002

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/DB/	NPL21	Butterfield, David A., and Popek, Gerald J., "Network Tasking in the Locus Distributed Unix System", Locus Computing Corporation, Santa Monica, California, pp. 62-71 (date unknown).	
/DB/	NPL22	Douglis, Fred, "Process Migration in the Sprite Operating System", Report No. UCB/CSD 87/343, Computer Science Division (EECS), University of California, Berkeley (Feb. 1987).	
/DB/	NPL23	Powell, Michael L., and Miller, Burton P., "Process Migration in DEMOS/MP", ACM document number 0-89791-115-6/83/010/0110 pp. 110-119 (1983).	
/DB/	NPL24	Theimer, Marvin M.; Lantz, Keith A.; and Cheriton, David R., "Preemptable Remote Execution Facilities for the V-System", ACM document number 0-89791-174-1-12/85-0002 pp. 2-12 (1985).	
/DB/	NPL25	Borenstein, Nathaniel S., "Computational Mail as Network Infrastructure for Computer-Supported Cooperative Work,"CSCW 92 Proceedings, pp. 67-74 (Nov., 1992).	
/DB/	NPL26	Makoto, "TNG PhoneShell (part 2). A proposal and an implimentation of internet access method with telephones and facsimilies", JICST abstract 96A0053311, May 1995.	
/DB/	NPL27	PwWebSpeak Overview [online]. The Productivity Works, 1996-09-04, [retrieved on 1997-04-15]. Retrieved on the Internet <URL: http://www.prodworks.com/pwwwovw.htm.	
/DB/	NPL28	Hakkinen et al., "pwWebSpeak: User Interface Design of an Accessible Web Browser".	
/DB/	NPL29	"'WebSpeak' opens cyberspace to visually impaired," The Times, Trenton, NJ, 3 pages (Feb. 12, 1996). cited by other .	
/DB/	NPL30	Christodoulakis et al. "The Multimedia Object Presentation Manager of MINOS: A symmetric approach", SIGMOD vol. 15 No. 2 pp. 295-310, Jun. 1986.	

Examiner Signature	/Douglas Blair/	Date Considered	05/04/2009

Substitute for form 1449/PTO				*Complete if Known*	
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				First Named Inventor	Danny LANGE
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				Examiner Name	Douglas B. Blair
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/DB/	NPL31	Zue, "Navigating the Information Superhighway Using Spoken Language Interfaces" IEEE Expert pp. 39-43, Oct. 1995.	
/DB/	NPL32	Caldwell et al., "Project Echo--Telephonic Browser for the WWW", <http:www.cc.gatech.edu/people/home/tgay/echo.html> Apr. 15, 1997, undated.	
/DB/	NPL33	James, "Presenting HTML Structure in Audio: User Satisfaction with Audio Hypertext", <http://www-pcd.stanford.edu/.about.fjames/reports/pilot-tr/techrep-pilot. html> Apr. 14, 1997, undated.	
/DB/	NPL34	James, "AHA:Audio HTML Access" <http://www-pcd.stanford.edu/.about.fjames/aha/www6/PAPER296.htmll Apr. 14, 1997>, undated.	
/DB/	NPL35	Novick et al., "A multimodal browser for the World-Wide Web", undated.	
/DB/	NPL36	House, "Spoken-language Access to Multimedia (SLAM)", Master's Thesis, Oregon Graduate Institute, undated.	
/DB/	NPL37	Groner, "The telephone--the ultimate terminal", Telphony, pp. 34-40, Jun. 1984.	
/DB/	NPL38	Arita et al., "The Voice Browser--an Archetype-Based Dialog Model", NEC Res & Develop., vol. 36 No. 4. pp. 554-561, Oct. 1995.	
/DB/	NPL39	Hemphill et al., "(Surfing the Web by Voice", ACM 0-89791-751-0-95/11 pp. 215-222, Nov. 1995.	
/DB/	NPL40	Chin, John P., "Personality Trait Attributions to Voice Mail User Interfaces", Proceedings of the 1996 Conference on Human Factors in Computing Systems, CHI 96, Online! Apr. 13-18, 1996, pp. 248-249, XP002113878 Vancouver, BC, CA; retrieved from the Internet on 1999-09-96.	

Examiner Signature	/Douglas Blair/	Date Considered	05/04/2009

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/DB/	NPL41	"Method for Appropriately Interfacing to User Characteristics in a Voice Interface System," IBM Technical Disclosure Bulletin, vol. 37, No. 3, pp. 307-308, XP000441484, New York, Mar. 1994.	
/DB/	NPL42	Database Inspec 'Online' Institute of Electrical Engineers, Stevenage, GB, Trainer et al.: "The inclusion of personality trait based adaptive interfaces into computer based learning and training environments," Database accession No. 5193879 XP992113879, Abstract and Proceedings of the Thirty-First International Matador Conference, Apr. 20-21, 1995, pp. 195-200, Manchester, UKISBN: 0-333-64086-1.	
/DB/	NPL43	Reeves, B. and Nass, C., The Media Equation: How People Treat Computers, Television, and New Media Like Real People and Places, pp. 89-108, ISBN No. 1-57586-052-X, CSLI Publications (1996). cited by other .	
/DB/	NPL44	Dunlap, C. AT&T: Internet can talk, too. Computer Reseller News, Nov. 11, 1994, Iss. 607; p. 12 [retrieved on 200-07-06]. REtrieved from the Internet <URL: http://proquest.umi.com/-22 .	
/DB/	NPL45	WebSpeak Browser Guides Blind on to Internet. The Sunday Times, Feb. 25, 1996, [retrieved on 1997-04-97]. Retrieved from the Internet <URL: http://www.prodworks.com/st960225.htm>.	
/DB/	NPL46	Aguilar, R. Visually Impaired Get Talking Browser. News.com[online], 1996-02-12, [retrieved on 1997-02-12}. Retrieved from the Internet <URL: http://www.news.com/News/Item/0,4,642,00.htm>.	
/DB/	NPL47	"New Product Makes the Internet World Wide Web Usable by the Visually Impaired," at <http://www.prodworks.com/pwwovw.html>, pwWebSpeak Press Release, The Productivity Works, Inc., 2 pages (last updated Feb. 10, 1996). cited by other .	
	NPL48		
	NPL49		
	NPL50		

Examiner Signature	/Douglas Blair/	Date Considered	05/04/2009

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	Confirmation No.: To be assigned
Lange *et al.*	Art Unit: To be assigned
Appl. No.: To be assigned *(Continuation of Appl. No. 09/712,712; Filed: November 14, 2000)*	Examiner: To be assigned
Filed: November 24, 2004	Atty. Docket: 2222.0300002
For: **Network System Extensible By Users**	

Information Disclosure Statement

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

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicants have checked the appropriate boxes below.

Lange *et al.*
Appl. No. To be assigned *(Continuation of Appl.
No. 09/712,712; Filed: November 14, 2000)*

☐ 1. Statement under 37 C.F.R. 1.704(d). Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this information disclosure statement.

☒ 2. Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed within three months of the date of filing of a national application other than a continued prosecution application (CPA), OR within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, OR before the mailing date of a first Office Action on the merits OR before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No statement or fee is required.

☐ 3. Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.

    ☐ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

    ☐ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

Lange *et al.*
Appl. No. To be assigned *(Continuation of Appl.
No. 09/712,712; Filed: November 14, 2000)*

☐ c.   Attached is our PTO-2038 Credit Card Payment Form in the amount of $_____ in payment of the fee under 37 C.F.R. § 1.17(p).

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    ☐ a.   Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

    ☐ b.   Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

☐ 5.   The document(s) was/were cited in a search report by a foreign patent office in a counterpart foreign application. Submission of an English language version of the search report that indicates the degree of relevance found by the foreign office is provided in satisfaction of the requirement for a concise explanation of relevance. 1138 OG 37, 38.

☐ 6.   A concise explanation of the relevance of the non-English language document(s) appears below in accordance with 37 C.F.R. § 1.98(a)(3).

☐ 7.   Copies of documents are submitted. However, in accordance with 37 C.F.R. § 1.98(a)(2), no copies of U.S. patents and patent application publications cited on the attached Form PTO-1449 are submitted.

- 4 -   Lange *et al.*
Appl. No. To be assigned *(Continuation of Appl.*
No. 09/712,712; Filed: November 14, 2000)

☒ 8. Copies of the documents were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application No. 09/712,712, filed November 14, 2000, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).
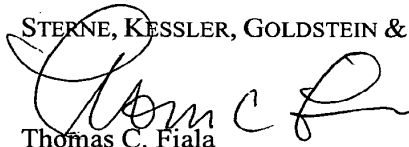
☒ 9. It is expected that the examiner will review the prosecution and cited art in the parent application no(s). 09/712,712 in accordance with MPEP 2001.06(b), and indicate in the next communication from the office that the art cited in the earlier prosecution history has been reviewed in connection with the present application.

It is respectfully requested that the Examiner initial and return a copy of the enclosed Form PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Thomas C. Fiala
Attorney for Applicants
Registration No. 43,610

Date: November 24, 2004

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337874.1

				ATTY. DOCKET NO. 2222.0300002		APPLICATION NO. To be assigned		

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

FIRST NAMED INVENTOR Danny Lange		
FILING DATE November 24, 2004	ART UNIT To be assigned	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
/DB/	AA1	6,657,990	12/2003	Dilip et al.	370	352	
/DB/	AB1	6,457,063	09/2002	Chintalapati et al.	709	317	
/DB/	AC1	6,363,411	03/2002	Dugan et al.	709	202	
/DB/	AD1	6,285,977	09/2001	Miyazaki, Kazuya	703	26	
/DB/	AE1	6,163,794	12/2000	Lange et al.	709	202	
/DB/	AF1	5,825,759	10/1998	Liu, George	370	331	
/DB/	AG1	6,067,568	05/23/2000	Li et al.	709	223	
/DB/	AH1	6,016,520	01/18/2000	Facq et al.	710	33	
/DB/	AI1	5,983,267	11/09/1999	Shklar et al.	709	217	
/DB/	AJ1	5,983,190	11/09/1999	Trower II, et al.	704	276	
/DB/	AK1	5,974,441	10/26/1999	Rogers et al.	709	200	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL1						Yes No
	AM1						Yes No
	AN1						Yes No
	AO1						Yes No
	AP1						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/DB/	AR	1	Jonathan Dale, "A Mobile Agent Architecture to Support Distributed Resource Information Management", University of Southampton, Department of Electronics and Computer Science, 79 pages, 23 June 1998.
/DB/	AS	1	JP Morgenthal, "XML Agents," NC.Focus website (www.ncfocus.com), 1998, pages 1-4.
/DB/	AT	1	D. Tsichritzis, et al., "KNOs: Knowledge Acquisition, Dissemination, and Manipulation Objects," ACM Transactions on Office Information Systems, Vol. 5, No. 1, January 1987, pages 96-112.

EXAMINER /Douglas Blair/	DATE CONSIDERED 05/04/2009

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.

				ATTY. DOCKET NO.		APPLICATION NO. To be assigned	
FORM PTO-1449				FIRST NAMED INVENTOR Danny Lange			
INFORMATION DISCLOSURE STATEMENT				FILING DATE November 24, 2004		ART UNIT To be assigned	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
/DB/	AA2	5,963,949	10/05/1999	Gupta et al.	707	100	
/DB/	AB2	5,913,214	06/15/1999	Madnick et al.	707	10	
/DB/	AC2	5,826,258	10/20/1998	Gupta et al.	707	4	
/DB/	AD2	5,665,081	08/05/1997	Bonnell et al.	709	202	
/DB/	AE2	6,016,393	01/18/2000	White et al.	395	6983	
/DB/	AF2	5,953,392	09/14/1999	Rhie et al.	379	8813	
/DB/	AG2	5,603,031	02/11/1997	White et al.	395	683	
	AH2						
	AI2						
	AJ2						
	AK2						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL2						Yes No
	AM2						Yes No
	AN2						Yes No
	AO2						Yes No
	AP2						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/DB/	AR	2	C. Daniel Wolfson, et al., "Intelligent Routers," The 9th International Conference on Distributed Computing Systems, IEEE Computer Society Press, 1989, pages 371-376.
	AS	2	
	AT	2	

EXAMINER /Douglas Blair/	DATE CONSIDERED 05/04/2009

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.

✓	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	12/11/2008	05/04/2009							
	77	÷	-							
	78	÷	-							
	79	÷	-							
	80	÷	-							
	81	÷	-							
	82	÷	-							
	83	÷	-							
	84	÷	-							
	85	÷	-							
	86	÷	✓							
	87	÷	✓							
	88	÷	✓							
	89	÷	✓							
	90	÷	✓							
	91	÷	✓							
	92	÷	✓							
	93	÷	✓							
	94	÷	✓							
	95	÷	✓							
	96	÷	✓							
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	101		✓							
	102		✓							
	103		✓							
	104		✓							
	105		✓							
	106		✓							

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
‖‖‖‖‖‖‖‖‖	10995159	LANGE ET AL.
	Examiner	**Art Unit**
	DOUGLAS B BLAIR	2442

SEARCHED

Class	Subclass	Date	Examiner
709	202,226	5/4/2009	DBB

SEARCH NOTES

Search Notes	Date	Examiner
East text search	5/4/2009	DBB
inventor name search	5/4/2009	DBB

INTERFERENCE SEARCH

Class	Subclass	Date	Examiner

U.S. Patent and Trademark Office

Part of Paper No. : 20090504

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	Confirmation No.: 5640
LANGE *et al.*	Art Unit: 2442
Appl. No.: 10/995,159	Examiner: BLAIR, DOUGLAS B
Filed: November 24, 2004	Atty. Docket: 2222.0300002
For: **Network System Extensible By Users**	

Amendment and Reply Under 37 C.F.R. § 1.111

Mail Stop Amendment

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

In reply to the Office Action dated **May 5, 2009**, Applicants submit the following Amendments and Remarks.

It is not believed that extensions of time or fees for net addition of claims are required beyond those that may otherwise be provided for in documents accompanying this paper. However, if additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 19-0036.

Amendments to the Claims

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

1-85. (Canceled)

86. (Currently Amended) A system for performing user customized network-based operations, comprising:

means for allowing a user to create a network-based agent associated with the user, wherein the network-based agent is configured to perform an operation on behalf of the user;

means for invoking the execution of the network-based agent on the occurrence of an event;

means, including the network-based agent, for using a service and a service resource <u>configured to be consumed by the agent</u> when performing the operation on behalf of the user; and

means for communicating the result of the operation to the user over a network communications link.

87. (Previously Presented) The system of claim 86, wherein the network communications link is a communications link in a public-switched communications network.

88. (Previously Presented) The system of claim 87, further comprising:

975817-1

means for mediating the interaction between the means for using the service and the service.

89. (Previously Presented) The system of claim 88, wherein the means for mediating comprises:

means for monitoring the amount of the service resource used by the network-based agent.

90. (Previously Presented) The system of claim 89, wherein the means for mediating further comprises:

means for converting between a first messaging protocol used by the network-based agent and a second messaging protocol used by the service.

91. (Previously Presented) The system of claim 86, further comprising:

means for allowing the user to modify the network-based agent associated with the user.

92. (Currently Amended) A tangible computer-readable medium having stored thereon computer-executable instructions that, if executed by a computing device, cause the computing device to perform a method comprising:

enabling the processor to allow allowing a user to create a network-based agent associated with the user, wherein the network-based agent is configured to perform an operation on behalf of the user;

enabling the processor to invoke invoking the execution of the network-based agent on the occurrence of an event;

975817-1

~~enabling the processor to use~~ <u>using</u> a service and a service resource

<u>configured to be consumed by the agent</u> ~~, using the network-based agent,~~ when

performing the operation on behalf of the user; and

~~enabling the processor to communicate~~ <u>communicating</u> the result of the

operation to the user over a network communication link.

93. (Currently Amended) The computer-readable medium of claim 92, further

comprising:

~~enabling the processor to allow~~ <u>allowing</u> the user to modify the network-

based agent associated with the user.

94. (Currently Amended) A method for performing user customized computer

network-based operations, comprising:

using a computing device, receiving data for creating an agent customized

to perform a task for a user upon the occurrence of an event;

using the computing device, creating the agent, wherein the agent has a

plurality of executable instructions for performing the task;

using the computing device, executing the agent instructions upon the

occurrence of the event, including:

providing instructions to a service to define the operations

supported by the service required to perform the task,

receiving a response from the service including parameters

required by the agent to complete <u>the</u> task, and

975817-1

providing an output associated with the task to the user over a

network communications link.

95. (Previously Presented) The method of claim 94, wherein the response

received from the service includes data.

96. (Previously Presented) The method of claim 94, wherein the instructions

include a request to access a service resource.

97. (Previously Presented) The method of claim 94, wherein the network

communications link is a communications link in a public-switched

communications network.

98. (Previously Presented) The system of claim 86, wherein the means for

invoking the execution of the network-based agent comprises an agent server

coupled to the agent and coupled to the user via a network communications link.

99. (Previously Presented) The system of claim 86, further comprising a service

wrapper associated with the service, wherein the service wrapper is configured to

mediate the interaction between the service and the agent.

100. (Previously Presented) The system of claim 98, wherein the agent server

comprises:

an engine configured to control the operation of the agent server;

a scheduler coupled to the engine, wherein the scheduler is configured to

trigger the execution of the agent upon occurrence of one or more events; and

975817-1

an agent object coupled to the agent, wherein the agent object includes

data and executable instructions associated with the agent.

101. (Previously Presented) The system of claim 100, wherein the agent object

comprises:

permission means associated with the agent; and

event handler means, including data and executable instructions for

directing the operation of the engine upon the occurrence of the one or more

events.

102. (Previously Presented) The system of claim 101, wherein the permission

means comprises a computational permission means defining one or more

computational resources that the agent is permitted to use.

103. (Previously Presented) The system of claim 102, wherein the

computational permission means further defines the extent to which the agent is

permitted to use the one or more computational resources.

104. (Previously Presented) The system of claim 101, wherein the permission

means comprises service permission means defining one or more services that the

agent is permitted to use.

105. (Previously Presented) The system of claim 104, wherein the service

permission means further defines the extent to which the agent is permitted to use

the one or more services.

975817-1

106. (Currently Amended) A tangible computer-readable medium having stored thereon computer-executable instructions that, if executed by a computing device, cause the computing device to perform a method comprising:

receiving data for creating an agent customized to perform a task for a user upon the occurrence of an event;

creating the agent, wherein the agent has a plurality of executable instructions for performing the task; and

executing the agent instructions upon the occurrence of the event, including:

providing instructions to a service to define the operations supported by the service required to perform the task,

receiving a response from the service including parameters required by the agent to complete the task, and

providing an output associated with the task to the user over a network communications link.

107.   (New) A system for performing user customized network-based operations, comprising:

an agent server configured to:

allow a user to create a network-based agent associated with the user, wherein the network-based agent is configured to perform an operation on behalf of the user;

975817-1

invoke execution of the network-based agent on the occurrence of

an event, wherein execution of the network-based agent comprises using a

service and a service resource configured to be consumed by the network-based

agent when the network-based agent performs the operation on behalf of the user;

and

communicate the result of the operation to the user over a network

communications link.

108.   (New) The system of claim 1, wherein the agent server is configured to

allow, in conjunction with a user interface, a user to create a network-based agent.

109.   (New) The system of claim 1, wherein the agent server invokes execution

of the network-based agent using a service wrapper.

110.   (New) The system of claim 109, wherein the service wrapper is

configured to identify service permissions associated with the network-based agent and

to determine whether the service permissions include permissions required by the service

wrapper to execute the network-based agent.

975817-1

Remarks

Reconsideration of this Application is respectfully requested.

Claims 86-110 are currently pending in the application, with claims 86, 92, 94, 106, and 107 being the independent claims. Claims 1-85 were previously cancelled without prejudice to or disclaimer of the subject matter therein. Claims 86, 92, and 93 are sought to be amended. Claims 94 and 106 have been amended only to correct minor grammatical errors. New claims 107-110 are sought to be added. No substantial change is made to claims 94 and 106 by this amendment. Applicants reserve the right to prosecute similar or broader claims, with respect to any cancelled and amended claims, in the future.

Based on the above amendment and the following remarks, Applicants respectfully request that the Examiner reconsider all outstanding rejections and that they be withdrawn.

Rejections under 35 U.S.C. § 102

1. Claims 86 and 92

At page 2 of the Office Action, the Examiner rejected claims 86-106 under 35 U.S.C. § 102(e) as being allegedly anticipated by U.S. Patent Number 7,043,532, issued to Humpleman *et al.* ("Humpleman"). Applicants respectfully traverse this rejection.

975817-1

Without acquiescing to the propriety of the rejection, Applicants have amended claims 86 and 92 for other reasons and to expedite prosecution. At pages 2 and 3 of the Office Action, the Examiner argues that Humpleman teaches "means, including the network-based agent, for using a service and a service resource when performing the operation on behalf of the user." Applicants respectfully disagree.

Humpleman describes that "[e]ach server device may include *hardware as a resource* in the network for providing services to the user" (emphasis added). Humpleman does not teach "means, including the network-based agent, for using a service and a service resource *configured to be consumed by the agent* when performing the operation on behalf of the user," as recited by claim 86 (emphasis added) or "using a service and a service resource *configured to be consumed by the agent* when performing the operation on behalf of the user," as recited by claim 92 (emphasis added).

Thus, for at least this reason, claims 86 and 92 should be found patentable over Humpleman.

2. Claims 94 and 106

At page 3 of the Office Action, the Examiner argues: "as to the rest of the claims they are rejected for the same reasoning as claims 86-91." Applicants traverse the rejection as applied to claims 94-106.

Claims 94-106 recite features that distinguish over Humpleman. For example, claims 94 and 106 recite, *inter alia*, "executing the *agent instructions* upon the occurrence of the event, including: providing *instructions to a service* to *define the*
975817-1

operations supported by the service required to perform the task" and "receiving a response from the *service* including *parameters required by the agent to complete task*" (emphasis added).

Humpleman describes that "[e]ach client device 12 may communicate with one or more *server devices* 14 in the network ... [e]ach *server device* 14 provides a *service* for the user, except control user interface, and each client device 12 provides control user interface for user interaction with the network 10." (Humpleman, col. 4, lines 42-55.) Humpleman further states "[a] *server device* 14 may *include* one or more *server control programs* 20 to control the server hardware for producing a service" and "[e]ach *server device* also includes a command language (CL) interface 30 and a *library of commands*." (Humpleman, col. 5, lines 43-45 and col. 7, lines 10-12.) Humpleman does not teach "executing the *agent instructions* upon the occurrence of the event, including: providing *instructions to a service* to *define the operations supported by the service required to perform the task*" and "receiving a response from the *service* including *parameters required by the agent to complete the task*," as recited by claims 94 and 106 (emphasis added).

Accordingly, Applicants respectfully request the Examiner to reconsider and withdraw the 35 U.S.C. § 102(e) rejection of claims 86, 92, 94, and 106. Additionally, at least based on their respective dependencies to claims 86, 92, and 94, claims 87-91, 93, and 95-105 should be found patentable over Humpleman.

975817-1

Improper Conclusory Statement

At page 3 of the Office Action, the Examiner argues: "[a]s to the rest of the claims they are rejected for the same reasoning as claims 86-91." Applicants respectfully assert that the Examiner has made an improper conclusory statement.

The M.P.E.P recites at section 2131: "[a] claim is anticipated ***only if each and every element*** as set forth in the claim is found, either expressly or inherently described, in a single prior art reference." *Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987).

Claims 92-106 recite additional distinguishing features. For example, independent claims 94 and 106 recite, *inter alia*, "providing instructions to a service to define the operations supported by the service required to perform the task" and "receiving a response from the service including parameters required by the agent to complete the task." Further, for example, claim 95 recites, *inter alia*, "wherein the response received from the service includes data." Additionally, for example, claim 96 recites, *inter alia*, "wherein the instructions include a request to access a service resource."

Claim 98 recites, *inter alia*, "wherein the means for invoking the execution of the network-based agent comprises an agent server coupled to the agent and coupled to the user via a network communications link." Further for example, claim 99 recites, *inter alia*, "a service wrapper associated with the service, wherein the service wrapper is configured to mediate the interaction between the service and the agent." Additionally for example, claim 100 recites, *inter alia*, "an engine configured to control the operation
975817-1

of the agent server; a scheduler coupled to the engine, wherein the scheduler is configured to trigger the execution of the agent upon occurrence of one or more events; and an agent object coupled to the agent, wherein the agent object includes data and executable instructions associated with the agent."

Claim 101 recites, *inter alia,* "permission means associated with the agent; and event handler means, including data and executable instructions for directing the operation of the engine upon the occurrence of the one or more events." Further for example, claim 102 recites, *inter alia,* "wherein the permission means comprises a computational permission means defining one or more computational resources that the agent is permitted to use." Additionally, for example, claim 103 recites, *inter alia,* "wherein the computational permission means further defines the extent to which the agent is permitted to use the one or more computational resources."

Claim 104 recites, *inter alia,* "wherein the permission means comprises service permission means defining one or more services that the agent is permitted to use." Further for example, claim 105 recites, *inter alia,* "wherein the service permission means further defines the extent to which the agent is permitted to use the one or more services."

None of the above-mentioned features recited in claims 94-96 or 98-106 are found in Humpleman.

975817-1

For at least the above-noted reasons, the Examiner has not met his burden of establishing a prima facie case of unpatentability for claims 86-91. Thus, claims 86-91 should be found patentable over Humpleman.

New Claims 107-110

As noted above with respect to independent claim 86, Humpleman does not teach or suggest "means, including the network-based agent, for using a service and a service resource ***configured to be consumed by the agent*** when performing the operation on behalf of the user" (emphasis added). Therefore, Humpleman does not teach "invoke execution of the network-based agent on the occurrence of an event, wherein execution of the network-based agent comprises using a service and a service resource ***configured to be consumed by the network-based agent*** when the network-based agent performs the operation on behalf of the user," as recited by new claim 107 (emphasis added).

Claims 108-110 depend from claim 107 and include all features therein. Accordingly, new claims 108-110 should be found allowable over the applied references, as well as for their additional distinguishing features.

975817-1

Conclusion

All of the stated grounds of objection and rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the Examiner reconsider all presently outstanding rejections and that they be withdrawn. Applicants believe that a full and complete reply has been made to the outstanding Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Amendment and Reply is respectfully requested.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Edward J. Kessler
Attorney for Applicants
Registration No. 25,688

Date: <u>August 5, 2009</u>

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(202) 371-2600

975817-1

Electronic Patent Application Fee Transmittal

Application Number:	10995159
Filing Date:	24-Nov-2004
Title of Invention:	Network system extensible by users
First Named Inventor/Applicant Name:	Danny Lange
Filer:	Edward J. Kessler/KISHA COX
Attorney Docket Number:	2222.0300002

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:				
Claims in excess of 20	1202	4	52	208
Independent claims in excess of 3	1201	1	220	220
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**428**

Electronic Acknowledgement Receipt

EFS ID:	5835186
Application Number:	10995159
International Application Number:	
Confirmation Number:	5640
Title of Invention:	Network system extensible by users
First Named Inventor/Applicant Name:	Danny Lange
Customer Number:	26111
Filer:	Edward J. Kessler/KISHA COX
Filer Authorized By:	Edward J. Kessler
Attorney Docket Number:	2222.0300002
Receipt Date:	05-AUG-2009
Filing Date:	24-NOV-2004
Time Stamp:	16:44:20
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$428
RAM confirmation Number	3276
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)

1		22220300002AR.pdf	562293 — 7cc1e0e9bd3cceab6ed55ba89c8c8849ad0173f9	yes	17

Multipart Description/PDF files in .zip description		
Document Description	**Start**	**End**
Miscellaneous Incoming Letter	1	2
Amendment/Req. Reconsideration-After Non-Final Reject	3	3
Claims	4	10
Applicant Arguments/Remarks Made in an Amendment	11	17

Warnings:

Information:

2	Fee Worksheet (PTO-875)	fee-info.pdf	31671 — 31fcebdc75cf2ea25b582a5e650ffd1dd1c01400	no	2

Warnings:

Information:

			Total Files Size (in bytes):	593964

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.

Sterne Kessler Goldstein Fox

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⁺Admitted only in Virginia
•Practice Limited to
    Federal Agencies

August 5, 2009

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Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Art Unit 2442

Attn: Mail Stop Amendment

Re: U.S. Utility Patent Application
      Application No. 10/995,159; Filing or 371(c) Date: November 24, 2004
      For: **Network System Extensible By Users**
      Inventors: LANGE *et al.*
      Our Ref: 2222.0300002

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Online Credit Card Payment Authorization in the amount of $428.00 to cover:

    $220.00 - One (1) Independent Claim in Excess of 3; and
    $228.00 - Four (4) Claims in Excess of 20 Total; and

2. Amendment and Reply Under 37 C.F.R. § 1.111.

The above-listed documents are filed electronically through EFS-Web.
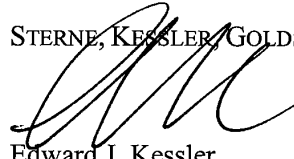
In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents
August 5, 2009
Page 2

Fee payment is provided through online credit card payment. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Edward J. Kessler
Attorney for Applicants
Registration No. 25,688

EJK/WPL/kc
Enclosures
1013519_1.DOC

PATENT APPLICATION FEE DETERMINATION RECORD
Substitute for Form PTO-875

Application or Docket Number	Filing Date	
10/995,159	11/24/2004	☐ To be Mailed

APPLICATION AS FILED – PART I

	(Column 1)	(Column 2)	SMALL ENTITY ☐ OR		OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE ($)	FEE ($)	RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =		X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =		X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	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).					
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))						
			TOTAL		TOTAL	

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

APPLICATION AS AMENDED – PART II

AMENDMENT	08/05/2009	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 25	Minus	** 21	= 4	X $ =		OR	X $52=	208
	Independent (37 CFR 1.16(h))	* 5	Minus	***4	= 1	X $ =		OR	X $220=	220
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	428

AMENDMENT		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)	OR	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =		OR	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =		OR	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	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:
/MARQUITA D. JONES/

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/995,159	11/24/2004	Danny Lange	2222.0300002	5640

26111   7590   10/30/2009

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

EXAMINER
BLAIR, DOUGLAS B

ART UNIT	PAPER NUMBER
2442	

MAIL DATE	DELIVERY MODE
10/30/2009	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.

<table>
<tr>
<td rowspan="2">Office Action Summary</td>
<td>Application No.
10/995,159</td>
<td>Applicant(s)
LANGE ET AL.</td>
<td></td>
</tr>
<tr>
<td>Examiner
DOUGLAS B. BLAIR</td>
<td>Art Unit
2442</td>
<td></td>
</tr>
</table>

-- 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 <u>3</u> 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 <u>05 August 2009</u>.

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) <u>86-110</u> 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) <u>86-110</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/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

Response to Amendment

Claims 86-110 are currently pending. Claims 107-110 have been added.

Response to Arguments

Applicant's arguments filed 8/5/2009 have been fully considered but they are not persuasive.

With respect to claims 86 and 92, the applicant argues that Humpleman does not teach "means, including the network-based agent, for using a service and a service resource configured to be consumed by the agent when performing the operation on behalf of the user" without providing any further explanation. The Examiner contends that all resources can be considered to be "configured to be consumed". The applicant's amendment and lack of explanation fails to patentably distinguish the claims from the applied art. The applicant must be more specific with the claims and/or remarks in order to further prosecution.

With respect to claims 94-106, the applicant's claims are extremely broad. For example, "executing the agent instructions upon the occurrence of the event" is in no way limited by any specific event, "providing instructions to a service to define the operations supported by the service required to perform the task" reads on executing a computer program that defines the service and "receiving a response from the service including parameters required by the agent to complete the task" is broad enough to cover any kind of output from the service. It should be apparent that the cited portion of Humpleman can be construed to teach such broad limitations. The applicant needs to be more precise with the claim language in order to further prosecution.

As to the dependent claims, the "log on" described in col. 6, lines 59-67 is enough to

satisfy the broad language of the dependent claims which provide no more than a vague concept

of permission. Col 6, lines 59-67 is also enough to cover the claimed scheduling of claim 100.

The cited embodiment of Humpleman clearly shows service wrappers in the form of the

disclosed XML descriptions.

To further prosecution the applicant needs to amend the claims to be more precise about

what elements are being claimed and more specific about how the claimed elements interact with

each other.

Claim Objections

Claims 108 and 109 are objected to because of the following informalities: they depend

upon claim 1 when it is assumed they were intended to depend upon claim 107. Appropriate

correction is required.

Claim Rejections - 35 USC § 101

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

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

Claims 107-110 are rejected under 35 U.S.C. 101 because the claimed invention is directed to

non-statutory subject matter. Claims 107-110 are directed towards a server. A server by

definition is a software element able to response to socket connections. Because claims 107-110

are directed towards only a server and are therefore software per se they do not fit into a statutory

category of invention.

Claim Rejections - 35 USC § 102

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.

Claims 86-109 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent

Number 7,043,532 to Humpleman et al.

As to claim 86, Humpleman teaches a system for performing user customized network-

based operations, comprising: means for allowing a user to create a network-based agent

associated with the user, wherein the network-based agent is configured to perform an operation

on behalf of the user (col. 4, lines 41-58, the GUI); means for invoking the execution of the

network-based agent on the occurrence of an event (the GUI is invoked when a user wants to

access a service); means, including the network-based agent, for using a service and a service

resource when performing the operation on behalf of the user (col. 4, lines 59-67); and means for

communicating the result of the operation to the user over a network communications link (col.

4, lines 59-67).

As to claim 87, Humpleman teaches the system of claim 86, wherein the network

communications link is a communications link in a public-switched communications network

(col. 4, lines 41-67).

As to claim 88, Humpleman teaches the system of claim 87, further comprising: means for mediating the interaction between the means for using the service and the service (col. 4, lines 41-67).

As to claim 89, Humpleman teaches the system of claim 88, wherein the means for mediating comprises: means for monitoring the amount of the service resource used by the network-based agent (col. 22, lines 20-67).

As to claim 90, Humpleman teaches the system of claim 89, wherein the means for mediating further comprises: means for converting between a first messaging protocol used by the network-based agent and a second messaging protocol used by the service (col. 11, line 63-col. 12, line 9).

As to claim 91, Humpleman teaches the system of claim 86, further comprising: means for allowing the user to modify the network-based agent associated with the user (The user modifies the GUI by interacting with it).

As to the rest of the claims 92-109, they are rejected for the same reasoning as claims 86-91.

As to claim 110, Humpleman teaches a service wrapper configured to identify service permission associated with the network based agent and to determine whether the service permissions include permissions required by the service wrapper to execute the network based agent (col. 9, line 50-col. 10, line 48, notice the claim states nothing about the type of permissions).

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time

policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

MONTHS of the mailing date of this final action and the advisory action is not mailed until after

the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the mailing

date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to DOUGLAS B. BLAIR whose telephone number is (571)272-

3893. The examiner can normally be reached on 9:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Andrew Caldwell can be reached on (571) 272-3868. 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.

/Douglas B Blair/
Primary Examiner, Art Unit 2442

Notice of References Cited	Application/Control No. 10/995,159	Applicant(s)/Patent Under Reexamination LANGE ET AL.	
	Examiner DOUGLAS B. BLAIR	Art Unit 2442	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2009/0132805	05-2009	Ginter et al.	713/150
	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.

U.S. Patent and Trademark Office
PTO-892 (Rev. 01-2001)   **Notice of References Cited**   Part of Paper No. 20091026

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	10995159	LANGE ET AL.
	Examiner	Art Unit
	DOUGLAS B BLAIR	2442

SEARCHED

Class	Subclass	Date	Examiner
709	202,226	5/4/2009	DBB
	update	10/26/2009	DBB

SEARCH NOTES

Search Notes	Date	Examiner
East text search	5/4/2009	DBB
inventor name search	5/4/2009	DBB
update	10/26/2009	DBB

INTERFERENCE SEARCH

Class	Subclass	Date	Examiner

<table>
<tr><td rowspan="2" colspan="2">Index of Claims

|||||||||||</td><td>Application/Control No.

10995159</td><td>Applicant(s)/Patent Under Reexamination

LANGE ET AL.</td></tr>
<tr><td>Examiner

DOUGLAS B BLAIR</td><td>Art Unit

2442</td></tr>
</table>

✓	**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	12/11/2008	05/04/2009	10/26/2009						
	77	÷	-	-						
	78	÷	-	-						
	79	÷	-	-						
	80	÷	-	-						
	81	÷	-	-						
	82	÷	-	-						
	83	÷	-	-						
	84	÷	-	-						
	85	÷	-	-						
	86	÷	✓	✓						
	87	÷	✓	✓						
	88	÷	✓	✓						
	89	÷	✓	✓						
	90	÷	✓	✓						
	91	÷	✓	✓						
	92	÷	✓	✓						
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	103		✓	✓						
	104		✓	✓						
	105		✓	✓						
	106		✓	✓						
	107			✓						
	108			✓						
	109			✓						
	110			✓						

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	187	(service near wrapper$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
L2	5	L1 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
L3	2069	service$1 with transcod$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
L4	145	L3 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
L5	4188	709/226.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
L6	2163	709/202.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
L7	108	L5 and L6	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
L8	22	L7 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
L9	187	(service near wrapper$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21

L10	9	L9 with invok$3	US-PGPUB; USPAT	OR	OFF	2009/10/26 14:21
L11	0	L10 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
L12	5	L9 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
L13	2069	service$1 with transcod$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
L14	576	L13 and protocol$1 with (conver$5 or translat$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
L15	125	L14 and service near2 resource$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
L16	2	L15 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
L17	14099	service near2 resource$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
L18	76	L17 same (protocol$1 with (conver$5 or translat$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
L19	15	L18 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
L20	95070	(resource$1) with (mediat$3 or monitor$3 or amount$1 or consum$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21

L21	6024	L20 and (protocol$1 with (conver$5 or translat$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
L22	137	L21 and user$1 with agent $1 with creat$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
L23	69	L22 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
L24	2	(L2 L4 L8 L11 L12 L16 L19 L23) and @pd>"20090406"	US-PGPUB; USPAT	OR	OFF	2009/10/26 14:21
S2	2	("6839733" "6163794").pn.	US-PGPUB; USPAT	OR	OFF	2006/10/16 10:55
S3	2919	709/201.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 16:54
S4	9	agent$1 near server$1 same (service near wrapper $1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 16:55
S5	0	S4 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 16:56
S6	154	(service near wrapper$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 16:57
S7	5	S6 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 16:57
S8	47	agent$1 near server$1 same (service with resource $1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 17:00

S9	4	S8 and (@rlad< "19981023" @ad< "19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 17:00
S10	785	S3 and (@rlad< "19981023" @ad< "19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 17:04
S11	135	S10 and (service$1 with resource$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 17:04
S12	117	("4575797" | "4653100" | "4716583" | "4974254" | "5001745" | "5079695" | "5093914" | "5129083" | "5129084" | "5136634" | "5187790" | "5206951" | "5261080" | "5297283" | "5303375" | "5303379" | "5307490" | "5321841" | "5327559" | "5339430" | "5351276" | "5367454" | "5377350" | "5379426" | "5396630" | "5414852" | "5421013" | "5421015" | "5446842" | "5446901" | "5452433" | "5500920" | "5546584" | "5559927" | "5603031" | "5608786" | "5636325" | "5665081" | "5825759" | "5826258" | "5860064" | "5873057" | "5890123" | "5913214" | "5953392" | "5963949" | "5974441" | "5983190" | "5983267" | "5987415" | "6016393" | "6016520" | "6067568" | "6144938" | "6163794" | "6285977" | "6363411" | "6366650" | "6457063" | "6657990" | "6839733").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/11 09:12
S13	121	"service wrapper"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:36

S14	169	(service near wrapper$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:36
S15	5	S14 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:36
S16	1891	service$1 with transcod$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:38
S17	145	S16 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:38
S18	3776	709/226.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:40
S19	2	S17 and S18	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:40
S20	1978	709/202.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:46
S21	97	S18 and S20	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:46
S22	22	S21 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:46
S23	170	(service near wrapper$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:32
S24	9	S23 with invok$3	US-PGPUB; USPAT	OR	OFF	2009/04/30 16:32

S25	0	S24 and (@rlad< "19981023" @ad< "19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:32
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S27	1911	service$1 with transcod$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:35
S28	519	S27 and protocol$1 with (conver$5 or translat$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:35
S29	206	S28 and service with resource$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:35
S30	113	S28 and service near2 resource$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:35
S31	1	S28 and (service near2 resource$1) with (mediat$3 or monitor$3 or amount$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:36
S32	2	S30 and (@rlad< "19981023" @ad< "19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:36
S33	12987	service near2 resource$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:37
S34	74	S33 same (protocol$1 with (conver$5 or translat$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:37

S35	15	S34 and (@rlad< "19981023" @ad< "19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:38
S36	87784	(resource$1) with (mediat$3 or monitor$3 or amount$1 or consum$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:43
S37	5562	S36 and (protocol$1 with (conver$5 or translat$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:43
S38	871	S37 and user$1 with agent $1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:44
S39	151	S38 and (@rlad< "19981023" @ad< "19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:44
S40	128	S37 and user$1 with agent $1 with creat$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:44
S41	67	S40 and (@rlad< "19981023" @ad< "19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:45
S42	117	("4575797" | "4653100" | "4716583" | "4974254" | "5001745" | "5079695" | "5093914" | "5129083" | "5129084" | "5136634" | "5187790" | "5206951" | "5261080" | "5297283" | "5303375" | "5303379" | "5307490" | "5321841" | "5327559" | "5339430" | "5351276" | "5367454" | "5377350" | "5379426" | "5396630" | "5414852" | "5421013" | "5421015" | "5446842" | "5446901" | "5452433" | "5500920" | "5546584" | "5559927" | "5603031" | "5608786" | "5636325" | "5665081" |	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 17:10

		"5825759" | "5826258" | "5860064" | "5873057" | "5890123" | "5913214" | "5953392" | "5963949" | "5974441" | "5983190" | "5983267" | "5987415" | "6016393" | "6016520" | "6067568" | "6144938" | "6163794" | "6285977" | "6363411" | "6366650" | "6457063" | "6657990" | "6839733").PN.				
S43	61	("4575797" | "4653100" | "4716583" | "4974254" | "5001745" | "5079695" | "5093914" | "5129083" | "5129084" | "5136634" | "5187790" | "5206951" | "5261080" | "5297283" | "5303375" | "5303379" | "5307490" | "5321841" | "5327559" | "5339430" | "5351276" | "5367454" | "5377350" | "5379426" | "5396630" | "5414852" | "5421013" | "5421015" | "5446842" | "5446901" | "5452433" | "5500920" | "5546584" | "5559927" | "5603031" | "5608786" | "5636325" | "5665081" | "5825759" | "5826258" | "5860064" | "5873057" | "5890123" | "5913214" | "5953392" | "5963949" | "5974441" | "5983190" | "5983267" | "5987415" | "6016393" | "6016520" | "6067568" | "6144938" | "6163794" | "6285977" | "6363411" | "6366650" | "6457063" | "6657990" | "6839733").PN.	US-PGPUB; USPAT	OR	OFF	2009/05/04 11:17
S44	1	"7043532".pn.	US-PGPUB; USPAT	OR	OFF	2009/05/04 13:59
S45	1	"20050091305".pn.	US-PGPUB; USPAT	OR	OFF	2009/05/04 15:35

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Request for Continued Examination (RCE) Transmittal

Address to:
Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Application Number	10/995,159
Filing Date	November 24, 2004
First Named Inventor	Danny LANGE
Art Unit	2442
Examiner Name	BLAIR, DOUGLAS B
Attorney Docket Number	2222.0300002

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

1. **Submission required under 37 CFR 1.114** Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

   a. ☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

      i. ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

      ii. ☐ Other _____

   b. ☒ Enclosed

      i. ☒ Amendment/Reply   iii. ☐ Information Disclosure Statement (IDS)

      ii. ☐ Affidavit(s)/ Declaration(s)   iv. ☐ Other _____

2. **Miscellaneous**

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

   b. ☐ Other _____

3. **Fees** The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.

   a. ☒ The Director is hereby authorized to charge the following fees, any underpayment of fees, or credit any overpayments, to Deposit Account No. 19-0036 .

      i. ☒ RCE fee required under 37 CFR 1.17(e)

      ii. ☐ Extension of time fee (37 CFR 1.136 and 1.17)

      iii. ☐ Other _____

   11/16/2009 SZEWDIE1 00000018 10995159
   01 FC:1801 810.00 OP

   b. ☐ Check in the amount of $ _____ enclosed

   c. ☒ Payment by credit card (Form PTO-2038 enclosed)

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

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Signature		Date 13 Nov. 2009
Name (Print/Type) Edward J. Kessler		Registration No. 25,688

CERTIFICATE OF MAILING OR TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below.

Signature		
Name (Print/Type)		Date

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing 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: Mail Stop RCE, 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.

Amendment Under 37 C.F.R. § 1.116
Expedited Procedure – Art Unit 2442

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	Confirmation No.: 5640
LANGE *et al.*	Art Unit: 2442
Appl. No.: 10/995,159	Examiner: BLAIR, DOUGLAS B
Filed: November 24, 2004	Atty. Docket: 2222.0300002
For: **Network system extensible by users**	

Submission Under 37 C.F.R. § 1.114
and
Amendment and Reply Under 37 C.F.R. § 1.116

Mail Stop RCE

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Filed concurrently herewith in the captioned application is a Request for

Continued Examination (RCE). Prior to examination of the RCE on the merits, please

amend the application as directed herein. Applicant submits the following Amendment

and Remarks in response to the Final Office Action of October 30, 2009.

It is not believed that extensions of time or fees for net addition of claims are

required beyond those that may otherwise be provided for in documents accompanying

this paper. However, if additional extensions of time are necessary to prevent

abandonment of this application, then such extensions of time are hereby petitioned

under 37 C.F.R. § 1.136(a), and any fees required therefor (including fees for net

addition of claims) are hereby authorized to be charged to our Deposit Account No.

19-0036.

- 2 -
Reply to Office Action of October 30, 2009

LANGE *et al.*
Appl. No. 10/995,159

Amendments to the Claims

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

1-85. (Canceled)

86. (Currently Amended) A system for performing user customized network-based operations, comprising:

means for allowing a user to create a network-based agent associated with the user, wherein the network-based agent is configured to perform an operation on behalf of the user;

means for invoking the execution of the network-based agent on the occurrence of an event;

means, including the network-based agent, for using a service and a service resource configured to be consumed by the agent when performing the operation on behalf of the user, wherein the service resource is exhausted after it is consumed by the agent; and

means for communicating the result of the operation to the user over a network communications link.

87. (Previously Presented) The system of claim 86, wherein the network communications link is a communications link in a public-switched communications network.

88. (Previously Presented) The system of claim 87, further comprising:

Atty. Dkt. No. 2222.0300002

means for mediating the interaction between the means for using the

service and the service.

89. (Previously Presented) The system of claim 88, wherein the means for

mediating comprises:

means for monitoring the amount of the service resource used by the

network-based agent.

90. (Previously Presented) The system of claim 89, wherein the means for

mediating further comprises:

means for converting between a first messaging protocol used by the

network-based agent and a second messaging protocol used by the service.

91. (Previously Presented) The system of claim 86, further comprising:

means for allowing the user to modify the network-based agent associated

with the user.

92. (Currently Amended) A tangible computer-readable medium having stored

thereon computer-executable instructions that, if executed by a computing device,

cause the computing device to perform a method comprising:

allowing a user to create a network-based agent associated with the user,

wherein the network-based agent is configured to perform an operation on behalf

of the user;

invoking the execution of the network-based agent on the occurrence of

an event;

<div align="right">Atty. Dkt. No. 2222.0300002</div>

using a service and a service resource configured to be consumed by the

agent when performing the operation on behalf of the user, wherein the service

resource is exhausted after it is consumed by the agent; and

communicating the result of the operation to the user over a network

communication link.

93. (Previously Presented) The computer-readable medium of claim 92, further

comprising:

allowing the user to modify the network-based agent associated with the

user.

94. (Currently Amended) A method for performing user customized computer

network-based operations, comprising:

using a computing device, receiving data for creating an agent customized

to perform a task for a user upon the occurrence of an event;

using the computing device, creating the agent, wherein the agent has a

plurality of executable instructions for performing the task, and wherein

performing the task comprises using a service and a service resource configured

to be consumed by the agent, wherein the service resource is exhausted after it is

consumed by the agent;

using the computing device, executing the agent instructions upon the

occurrence of the event, including:

providing instructions to a service to define the operations

supported by the service required to perform the task,

Atty. Dkt. No. 2222.0300002

- 5 -
Reply to Office Action of October 30, 2009

LANGE *et al.*
Appl. No. 10/995,159

receiving a response from the service including parameters

required by the agent to complete the task, and

providing an output associated with the task to the user over a

network communications link.

95. (Previously Presented) The method of claim 94, wherein the response

received from the service includes data.

96. (Previously Presented) The method of claim 94, wherein the instructions

include a request to access a service resource.

97. (Previously Presented) The method of claim 94, wherein the network

communications link is a communications link in a public-switched

communications network.

98. (Previously Presented) The system of claim 86, wherein the means for

invoking the execution of the network-based agent comprises an agent server

coupled to the agent and coupled to the user via a network communications link.

99. (Previously Presented) The system of claim 86, further comprising a service

wrapper associated with the service, wherein the service wrapper is configured to

mediate the interaction between the service and the agent.

100. (Previously Presented) The system of claim 98, wherein the agent server

comprises:

an engine configured to control the operation of the agent server;

Atty. Dkt. No. 2222.0300002

a scheduler coupled to the engine, wherein the scheduler is configured to

trigger the execution of the agent upon occurrence of one or more events; and

an agent object coupled to the agent, wherein the agent object includes

data and executable instructions associated with the agent.

101. (Previously Presented) The system of claim 100, wherein the agent object

comprises:

permission means associated with the agent; and

event handler means, including data and executable instructions for

directing the operation of the engine upon the occurrence of the one or more

events.

102. (Previously Presented) The system of claim 101, wherein the permission

means comprises a computational permission means defining one or more

computational resources that the agent is permitted to use.

103. (Previously Presented) The system of claim 102, wherein the

computational permission means further defines the extent to which the agent is

permitted to use the one or more computational resources.

104. (Previously Presented) The system of claim 101, wherein the permission

means comprises service permission means defining one or more services that the

agent is permitted to use.

Atty. Dkt. No. 2222.0300002

- 7 -

LANGE *et al.*
Appl. No. 10/995,159

105. (Previously Presented) The system of claim 104, wherein the service permission means further defines the extent to which the agent is permitted to use the one or more services.

106. (Currently Amended) A tangible computer-readable medium having stored thereon computer-executable instructions that, if executed by a computing device, cause the computing device to perform a method comprising:

receiving data for creating an agent customized to perform a task for a user upon the occurrence of an event;

creating the agent, wherein the agent has a plurality of executable instructions for performing the task, and wherein performing the task comprises using a service and a service resource configured to be consumed by the agent, wherein the service resource is exhausted after it is consumed by the agent; and

executing the agent instructions upon the occurrence of the event, including:

providing instructions to a service to define the operations supported by the service required to perform the task,

receiving a response from the service including parameters required by the agent to complete the task, and

providing an output associated with the task to the user over a network communications link.

107.   (Currently Amended) A system for performing user customized network-based operations, comprising:

an agent server configured to:

allow, using a computing device, a user to create a network-based agent associated with the user, wherein the network-based agent is configured to perform an operation on behalf of the user;

invoke, using the computing device, execution of the network-based agent on the occurrence of an event, wherein execution of the network-based agent comprises using a service and a service resource configured to be consumed by the network-based agent when the network-based agent performs the operation on behalf of the user, wherein the service resource is exhausted after it is consumed by the agent; and

communicate, using the computing device, the result of the operation to the user over a network communications link.

108.   (Currently Amended) The system of claim [[1]] 107, wherein the agent server is configured to allow, in conjunction with a user interface, a user to create a network-based agent.

109.   (Currently Amended) The system of claim [[1]] 107, wherein the agent server invokes execution of the network-based agent using a service wrapper.

110.   (Previously Presented) The system of claim 109, wherein the service wrapper is configured to identify service permissions associated with the network-based agent and to determine whether the service permissions include permissions required by the service wrapper to execute the network-based agent.

Atty. Dkt. No. 2222.0300002

- 9 -
LANGE *et al.*
Reply to Office Action of October 30, 2009
Appl. No. 10/995,159

Remarks

Reconsideration of this Application is respectfully requested.

Claims 86-110 are currently pending in the application, with claims 86, 92, 94, 106, and 107 being the independent claims. Claims 1-85 were previously cancelled without prejudice to or disclaimer of the subject matter therein. Claims 86, , 92, 94, and 106-109 are sought to be amended. Applicants reserve the right to prosecute similar or broader claims, with respect to any cancelled and amended claims, in the future.

Based on the above amendment and the following remarks, Applicants respectfully request that the Examiner reconsider all outstanding objections and rejections and that they be withdrawn.

Claim Objections

At page 3 of the Office Action, the Examiner objected to claims 108 and 109. Applicants have amended the claims, as suggested by the Examiner. Accordingly, Applicants respectfully request that the Examiner reconsider and withdraw the objection to claims 108 and 109 and pass these claims to allowance.

Rejections under 35 U.S.C. § 101

At page 3 of the Office Action, the Examiner rejected claims 107-110 under 35 U.S.C. § 101. Applicants respectfully traverse this rejection.

Without acquiescing to the propriety of the rejection, Applicants have amended claim 107 to recite "using a computing device." Accordingly, Applicants respectfully request that the Examiner reconsider and withdraw the 35 U.S.C. § 101 rejection of

Atty. Dkt. No. 2222.0300002

claim 107 and pass this claim to allowance. Additionally, at least based on their respective dependencies to claim 107, claims 108-110 should be found allowable.

Rejections under 35 U.S.C. § 102

At page 4 of the Office Action, the Examiner rejected claims 86-109 as being allegedly anticipated by U.S. Patent Number 7,043,532 to Humpleman *et al.* Applicants respectfully traverse this rejection and the "Response to Arguments" section at page 2 of the Office Action.

Claims 86, 92, 94, 106, and 107 recite features that distinguish over the applied references. For example, claims 86, 92, 94, 106, and 107 recite, *inter alia*, "using a service and a service resource configured to be consumed by the agent . . . wherein the service resource is exhausted after it is consumed by the agent."

Humpleman describes that "[e]ach server device may include *hardware as a resource* in the network for providing services to the user" (emphasis added). (Humpleman, ¶ [0040].) Humpleman does not teach or suggest "a service and a service resource *configured to be consumed by the agent* . . . wherein the service resource is *exhausted* after it is consumed by the agent," as recited by claism 86, 92, 94, 106, and 107 (emphasis added). Rather, in Humpleman "hardware" is used as a resource, and is not "consumed" or "exhausted," as recited by claims 86, 92, 94, 106, and 107.

Accordingly, Applicants respectfully request that the Examiner reconsider and withdraw the 35 U.S.C. § 102(e) rejection of claims 86, 92, 94, 106, and 107 and pass these claims to allowance. Additionally, at least based on their respective dependencies to claims 86, 92, 94, 106, and 107, claims 87-91, 93, 95-105, and 108-110 should be

Atty. Dkt. No. 2222.0300002

found allowable over the applied references, as well as for their additional distinguishing features.

Conclusion

All of the stated grounds of objection and rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the Examiner reconsider all presently outstanding objections and rejections and that they be withdrawn. Applicants believe that a full and complete reply has been made to the outstanding Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Amendment and Reply is respectfully requested.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Edward J. Kessler
Attorney for Applicants
Registration No. 25,688

Date: 13 Nov. 2009

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November 13, 2009

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Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Art Unit 2442

Attn: Mail Stop RCE

Re: U.S. Utility Patent Application
        Application No. 10/995,159; Filing or 371(c) Date: November 24, 2004
        For: **Network System Extensible By Users**
        Inventors: LANGE *et al.*
        Our Ref: 2222.0300002

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Request for Continued Examination (RCE);

2. Credit Card Payment Form (PTO-2038) in the amount of $810.00 to cover:

    $810 for RCE fee;

3. Submission Under 37 C.F.R. §1.114 and Amendment and Reply Under 37 C.F.R. §1.116; and

4. Return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier.

In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Sterne, Kessler, Goldstein & Fox P.L.L.C. : 1100 New York Avenue, NW : Washington, DC 20005 : 202.371.2600 f 202.371.2540 : www.skgf.com

Commissioner for Patents
November 13, 2009
Page 2

        The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

                                        Respectfully submitted,

                                        STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

                                        Edward J. Kessler
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                                        Registration No. 25,688

EJK/WPL/la
Enclosure(s)

PATENT APPLICATION FEE DETERMINATION RECORD
Substitute for Form PTO-875

Application or Docket Number	Filing Date	
10/995,159	11/24/2004	☐ To be Mailed

APPLICATION AS FILED – PART I

	(Column 1)	(Column 2)	SMALL ENTITY ☐	OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE ($)	FEE ($)	RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =		X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =		X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	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).					
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))						
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL		TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT		(Column 1)		(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
	11/13/2009	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 25	Minus	** 25	= 0	X $ =		OR	X $52=	0
	Independent (37 CFR 1.16(h))	* 5	Minus	***5	= 0	X $ =		OR	X $220=	0
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	0

AMENDMENT		(Column 1)		(Column 2)	(Column 3)			OR		
		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =		OR	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =		OR	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	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:
/JAMES MASON/

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	Confirmation No.: 5640
LANGE *et al.*	Art Unit: 2442
Appl. No.: 10/995,159	Examiner: BLAIR, DOUGLAS B
Filed: November 24, 2004	Atty. Docket: 2222.0300002
For: **Network system extensible by users**	

Supplemental Amendment and Reply Under 37 C.F.R. § 1.116

Mail Stop Amendment

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

In further reply to the Office Action dated October 30, 2009 Applicants submit the following Amendments and Remarks.

It is not believed that extensions of time or fees for net addition of claims are required beyond those that may otherwise be provided for in documents accompanying this paper. However, if add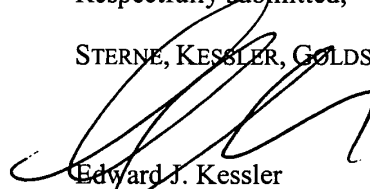itional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 19-0036.

- 2 -
Reply to Office Action of October 30, 2009

LANGE *et al.*
Appl. No. 10/995,159

Amendments to the Claims

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

1-85. (Canceled)

86. (Currently Amended) A system for performing user customized network-based operations, comprising:

means for ~~allowing a user to create~~ receiving data for creating a network-based agent ~~associated with the user~~, wherein the network-based agent is configured to perform an operation ~~on behalf of the user~~;

means for invoking the execution of the network-based agent on the occurrence of an event;

means, including the network-based agent, for using a service and a service resource configured to be consumed by the agent when performing the operation ~~on behalf of the user~~, wherein the service resource is exhausted after it is consumed by the agent; and

means for communicating the result of the operation ~~to the user~~ over a network communications link.

87. (Previously Presented) The system of claim 86, wherein the network communications link is a communications link in a public-switched communications network.

Atty. Dkt. No. 2222.0300002

- 3 -
Reply to Office Action of October 30, 2009

LANGE *et al.*
Appl. No. 10/995,159

88. (Previously Presented) The system of claim 87, further comprising:

means for mediating the interaction between the means for using the service and the service.

89. (Previously Presented) The system of claim 88, wherein the means for mediating comprises:

means for monitoring the amount of the service resource used by the network-based agent.

90. (Previously Presented) The system of claim 89, wherein the means for mediating further comprises:

means for converting between a first messaging protocol used by the network-based agent and a second messaging protocol used by the service.

91. (Currently Amended) The system of claim 86, further comprising:

means for allowing [[the]] a user to modify the network-based agent ~~associated with the user~~.

92. (Currently Amended) A tangible computer-readable medium having instructions stored thereon ~~computer-executable instructions that, if executed by a computing device, cause the computing device to perform a method~~ comprising:

Atty. Dkt. No. 2222.0300002

~~allowing~~ instructions to receive data for creating ~~a user to create~~ a network-based

agent ~~associated with the user~~, wherein the network-based agent is configured to perform

an operation ~~on behalf of the user~~;

~~invoking~~ instructions to invoke the execution of the network-based agent on the

occurrence of an event;

~~using~~ instructions to use a service and a service resource configured to be

consumed by the agent when performing the operation ~~on behalf of the user~~, wherein the

service resource is exhausted after it is consumed by the agent; and

~~communicating~~ instructions to communicate the result of the operation ~~to the user~~

over a network communication link.

93.   (Currently Amended)   The computer-readable medium of claim 92, wherein the

instructions further comprise: ~~further comprising:~~

instructions to allow ~~allowing~~ [[the]] a user to modify the network-based agent

~~associated with the user~~.

94. (Currently Amended) A method for performing user customized computer network-

based operations, comprising:

using a computing device, receiving data for creating an agent customized to

perform a task of a service ~~for a user~~ upon the occurrence of an event, [[;]] ~~using the~~

~~computing device, creating the agent, wherein~~ the agent [[has]] having a plurality of

executable instructions for performing the task, ~~and wherein performing the task~~

~~comprises using a service and a service resource configured to be consumed by the~~

~~agent, wherein the service resource is exhausted after it is consumed by the agent;~~ the

instructions comprising an event handler defining a predetermined event to occur during

execution of the service; and

using the computing device, executing the agent instructions upon the occurrence

of the event, including:

providing instructions to [[a]] the service to define the operations

supported by the service required to perform the task,

receiving a response from the service including parameters required by

the agent to complete the task, and

providing an output associated with the task ~~to the user~~ over a network

communications link.

95. (Previously Presented) The method of claim 94, wherein the response received from

the service includes data.

96. (Previously Presented) The method of claim 94, wherein the instructions include a

request to access a service resource.

97. (Previously Presented) The method of claim 94, wherein the network

communications link is a communications link in a public-switched communications

network.

Atty. Dkt. No. 2222.0300002

98. (Currently Amended) The system of claim 86, wherein the means for invoking the execution of the network-based agent comprises an agent server coupled to the agent and coupled to [[the]] a user via a network communications link.

99. (Previously Presented) The system of claim 86, further comprising a service wrapper associated with the service, wherein the service wrapper is configured to mediate the interaction between the service and the agent.

100. (Previously Presented) The system of claim 98, wherein the agent server comprises:

an engine configured to control the operation of the agent server;

a scheduler coupled to the engine, wherein the scheduler is configured to trigger the execution of the agent upon occurrence of one or more events; and

an agent object coupled to the agent, wherein the agent object includes data and executable instructions associated with the agent.

101. (Previously Presented) The system of claim 100, wherein the agent object comprises:

permission means associated with the agent; and

event handler means, including data and executable instructions for directing the operation of the engine upon the occurrence of the one or more events.

Atty. Dkt. No. 2222.0300002

102. (Previously Presented) The system of claim 101, wherein the permission means comprises a computational permission means defining one or more computational resources that the agent is permitted to use.

103. (Previously Presented) The system of claim 102, wherein the computational permission means further defines the extent to which the agent is permitted to use the one or more computational resources.

104. (Previously Presented) The system of claim 101, wherein the permission means comprises service permission means defining one or more services that the agent is permitted to use.

105. (Previously Presented) The system of claim 104, wherein the service permission means further defines the extent to which the agent is permitted to use the one or more services.

106. (Currently Amended) A tangible computer-readable medium having <u>instructions</u> stored thereon ~~computer-executable instructions that, if executed by a computing device, cause the computing device to perform a method~~ comprising:

~~receiving~~ <u>instructions to receive</u> data for creating an agent customized to perform a task ~~for a user~~ upon the occurrence of an event;

~~creating~~ <u>instructions to create</u> the agent, wherein the agent has a plurality of executable instructions for performing the task, and wherein performing the task

Atty. Dkt. No. 2222.0300002

comprises using a service and a service resource configured to be consumed by the agent, wherein the service resource is exhausted after it is consumed by the agent; and

~~executing~~ instructions to execute the agent instructions upon the occurrence of the event, including:

~~providing~~ instructions to provide service instructions to [[a]] the service to define the operations supported by the service required to perform the task,

~~receiving~~ instructions to receive a response from the service including parameters required by the agent to complete the task, and

~~providing~~ instructions to provide an output associated with the task ~~to the user~~ over a network communications link.

107. (Currently Amended) A system for performing user customized network-based operations, comprising:

an agent server configured to:

~~allow~~ receive, using a computing device, ~~a user to create~~ data for creating ~~create~~ a network-based agent ~~associated with the user~~, wherein the network-based agent is configured to perform an operation ~~on behalf of the user~~;

invoke, using the computing device, execution of the network-based agent on the occurrence of an event, wherein execution of the network-based agent comprises using a service and a service resource configured to be consumed by the network-based agent when the network-based agent performs the operation ~~on behalf of the user~~, wherein the service resource is exhausted after it is consumed by the agent; and

Atty. Dkt. No. 2222.0300002

communicate, using the computing device, the result of the operation to

~~the user~~ over a network communications link.

108.   (Previously Presented)   The system of claim 107, wherein the agent server is

configured to allow, in conjunction with a user interface, a user to create a network-based

agent.

109.   (Previously Presented)   The system of claim 107, wherein the agent server

invokes execution of the network-based agent using a service wrapper.

110.   (Previously Presented)   The system of claim 109, wherein the service wrapper is

configured to identify service permissions associated with the network-based agent and

to determine whether the service permissions include permissions required by the service

wrapper to execute the network-based agent.

111.   (New) The method of claim 108, wherein the user interface is a web browser

user interface.

112.   (New)   The method of claim 108, wherein the user interface is a voice user

interface.

113. (New) A method comprising:

Atty. Dkt. No. 2222.0300002

authorizing, using a computing device, access to a computer network, wherein the computer network is programmed to be customized using an agent program;

receiving, using the computing device, data for creating the agent program, wherein the agent program is programmed to perform a task of a service;

creating the agent program, using the computing device and the data, wherein the agent program has a plurality of executable instructions for performing the task, wherein the instructions comprise an event handler defining a predetermined event to occur during execution of the service, wherein performing the task comprises using the service and a service resource, and wherein a service wrapper links the service to the service resource and mediates interaction between the service and the service resource;

accessing, using the computing device and the service wrapper, information defining an amount of the service resource allocated to be consumed by a principal of the agent program, wherein the service wrapper is configured to monitor consumption of the service resource by the agent program; and

executing the instructions, using the computing device, upon the occurrence of the predetermined event, wherein the instructions include:

instructions to define the operations supported by the service required to perform the task,

instructions to receive a response from the service including parameters required by the agent program to complete the task, and

instructions to provide an output associated with the task over a network communications link.

Atty. Dkt. No. 2222.0300002

114.   (New) The method of claims 113, further comprising accessing authorization information of the service wrapper, wherein the authorization information defines access permissions of the agent program, and wherein the access permissions define whether an agent program is authorized to use the service.

115.   (New) The method of claim 113, wherein the service resource comprises discrete units that are consumed by the agent program.

116.   (New) The method of claim 113, wherein the service wrapper is configured to convert between an instruction format utilized by an agent server and an instruction format utilized by the service.

117.   (New) The method of claim 113, wherein the data is used to modify an existing agent program.

118.   (New) The method of claim 113, wherein the predetermined event is identified by a URL, and wherein the URL defines a type of event and a recipient agent program configured to receive the event.

119.   (New) The method of claim 118, wherein the agent program is configured to send the predetermined event to a second agent program to communicate with the second agent program.

Atty. Dkt. No. 2222.0300002

- 12 -
Reply to Office Action of October 30, 2009

LANGE *et al.*
Appl. No. 10/995,159

Remarks

Reconsideration of this Application is respectfully requested.

Claims 86-119 are currently pending in the application, with claims 86, 92, 94, 106, 107, and 113 being the independent claims. Claims 1-85 were previously cancelled without prejudice to or disclaimer of the subject matter therein. Claims 86, 91-94, 98, 106, and 107 are sought to be amended. New claims 111-119 are sought to be added. Applicants reserve the right to prosecute similar or broader claims, with respect to any cancelled and amended claims, in the future.

Based on the above amendment and the following remarks, Applicants respectfully request that the Examiner reconsider all outstanding objections and rejections and that they be withdrawn.

Statement of Substance of Examiner Interview

Applicants thank the Examiner for extending the courtesy of a telephone interview on November 20, 2009. In the interview, the Examiner and Applicants' representatives discussed the claims and the applied reference. Applicants' representatives suggested proposed new claims and amendments to the independent claims to further distinguish the claims from the applied reference. The Examiner tentatively agreed that the proposed amendments would move prosecution forward, but required submission of the Response with the amendments and full consideration of the actual Response before making any final determinations.

Atty. Dkt. No. 2222.0300002

Claim Objections

At page 3 of the Office Action, the Examiner objected to claims 108 and 109. Applicants amended claims 108 and 109 in the amendment filed on November 13, 2009, as suggested by the Examiner. Accordingly, Applicants respectfully request that the Examiner reconsider and withdraw the objection to claims 108 and 109 and pass these claims to allowance.

Rejections under 35 U.S.C. § 101

At page 3 of the Office Action, the Examiner rejected claims 107-110 under 35 U.S.C. § 101. Applicants respectfully traverse this rejection.

Without acquiescing to the propriety of the rejection, Applicants amended claim 107 in the amendment filed on November 13, 2009. Claim 107 recites "using a computing device." Accordingly, Applicants respectfully request that the Examiner reconsider and withdraw the 35 U.S.C. § 101 rejection of claim 107 and pass this claim to allowance. Additionally, at least based on their respective dependencies to claim 107, claims 108-110 should be found allowable.

Rejection under 35 U.S.C. § 102

At page 4 of the Office Action, the Examiner rejected claims 86-109 as being allegedly anticipated by U.S. Patent Number 7,043,532 to Humpleman *et al.* Applicants respectfully traverse this rejection and the "Response to Arguments" section at page 2 of the Office Action.

Atty. Dkt. No. 2222.0300002

Claims 86, 92, 106, and 107

Claims 86, 92, 106, and 107 recite features that distinguish over the applied references. For example, claims 86, 92, 106, and 107 recite, *inter alia*, "using a service and a service resource configured to be consumed by the agent . . . wherein the service resource is exhausted after it is consumed by the agent."

Humpleman describes that "[e]ach server device may include *hardware as a resource* in the network for providing services to the user" (emphasis added). (Humpleman, col. 4, lines 61-63.) Humpleman does not teach or suggest "a service and a service resource *configured to be consumed by the agent* . . . wherein the service resource is *exhausted* after it is consumed by the agent," as recited by claism 86, 92, 106, and 107 (emphasis added). Rather, in Humpleman "hardware" is used as a resource, and is not "consumed" or "exhausted," as recited by claims 86, 92, 106, and 107. (Humpleman, col. 4, lines 61-63.)

Thus, for at least the above-noted reasons, claims 86, 92, 106, and 107 are patentable over Humpleman.

Claim 94

Claim 94 recites features that distinguish over Humpleman. For example, claim 94 recites, *inter alia*, "the instructions comprising an *event handler* defining a *predetermined* event to occur during execution of the service" (emphasis added).

At page 4 of the Office Action, the Examiner states, to which Applicants do not acquiesce, that in Humpleman "the GUI is invoked when a user wants to access a service." However, Humpleman does not teach or suggest an "agent having a plurality

Atty. Dkt. No. 2222.0300002

- 15 -
Reply to Office Action of October 30, 2009

LANGE *et al.*
Appl. No. 10/995,159

of executable instructions for performing [a] task, the instructions comprising an ***event handler*** defining a ***predetermined*** event to occur during execution of the service," as recited by independent claim 94 (emphasis added). Rather, in Humpleman, "the user interacts with the GUI 18 of a selected server device" and "control and command information input by the user into each GUI 18 provide additional capabilities information which affect further server device selections by the user." (Humpleman, col. 8, lines 52-56.)

Thus, for at least the above-noted reasons, claim 94 is patentable over Humpleman.

Accordingly, Applicants respectfully request that the Examiner reconsider and withdraw the 35 U.S.C. § 102(e) rejection of claims 86, 92, 94, 106, and 107 and pass these claims to allowance. Additionally, at least based on their respective dependencies to claims 86, 92, 94, 106, and 107, claims 87-91, 93, 95-105, and 108-110 should be found allowable over the applied references, as well as for their additional distinguishing features.

New Claims 111-119

New claims 111 and 112 depend from claim 107 and include all features thereof. Thus, for at least this reason, new claims 111 and 112 should be found patentable over Humpleman.

New claim 113 recites features that distinguish over Humpleman. For example, new claim 113 recites, *inter alia*, "wherein the instructions comprise an event handler defining a predetermined event to occur during execution of the service." As noted above with respect to independent claim 94, Humpleman does not teach or suggest "the

Atty. Dkt. No. 2222.0300002

instructions comprising an event handler defining a predetermined event to occur during execution of the service." Thus, for at least this reason, new claim 113 should be found patentable over Humpleman.

New claims 114-119 depend from claim 113 and include all features therein. Thus, for at least this reason new claims 114-119 should be found patentable over Humpleman.

Conclusion

All of the stated grounds of objection and rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the Examiner reconsider all presently outstanding objections and rejections and that they be withdrawn. Applicants believe that a full and complete reply has been made to the outstanding Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Atty. Dkt. No. 2222.0300002
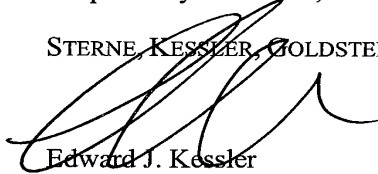
Prompt and favorable consideration of this Amendment and Reply is respectfully requested.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Edward J. Kessler
Attorney for Applicants
Registration No. 25,688

Date: _9 Dec, 2009_

1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600

Atty. Dkt. No. 2222.0300002

Electronic Patent Application Fee Transmittal

Application Number:	10995159
Filing Date:	24-Nov-2004
Title of Invention:	Network system extensible by users
First Named Inventor/Applicant Name:	Danny Lange
Filer:	William Pierce Ladd/Leonard Adgerson
Attorney Docket Number:	2222.0300002

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:				
Claims in excess of 20	1202	9	52	468
Independent claims in excess of 3	1201	1	220	220
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**688**

Electronic Acknowledgement Receipt

EFS ID:	6601035
Application Number:	10995159
International Application Number:	
Confirmation Number:	5640
Title of Invention:	Network system extensible by users
First Named Inventor/Applicant Name:	Danny Lange
Customer Number:	26111
Filer:	William Pierce Ladd/Leonard Adgerson
Filer Authorized By:	William Pierce Ladd
Attorney Docket Number:	2222.0300002
Receipt Date:	09-DEC-2009
Filing Date:	24-NOV-2004
Time Stamp:	13:05:58
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$688
RAM confirmation Number	9793
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)

1		22220300002supplamendment .pdf	629741 36d6c8f011514761be3c027358579a6e507 26fdf	yes	19

Multipart Description/PDF files in .zip description		
Document Description	Start	End
Miscellaneous Incoming Letter	1	2
Supplemental Response or Supplemental Amendment	3	3
Claims	4	13
Applicant Arguments/Remarks Made in an Amendment	14	19

Warnings:

Information:

2	Fee Worksheet (PTO-875)	fee-info.pdf	31583 c3122ac2358b0477a6edb9e2efac044d2c4 c2a31	no	2

Warnings:

Information:

	Total Files Size (in bytes):	661324

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.

<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.

<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.

<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.

December 9, 2009

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Art Unit 2442

Attn: Mail Stop Amendment

Sir:

Re: U.S. Utility Patent Application
      Application No. 10/995,159; Filing or 371(c) Date: November 24, 2004
      For: **Network System Extensible By Users**
      Inventors: LANGE *et al.*
      Our Ref: 2222.0300002

Transmitted herewith for appropriate action are the following documents:

1. Supplemental Amendment and Reply Under 37 C.F.R. §1.116;

2. Online Credit Card Payment Authorization in the amount of $688.00 to cover:

    $220 for extra independent claim; and

    $468 for extra claims fee.

The above-listed documents are filed electronically through EFS-Web.
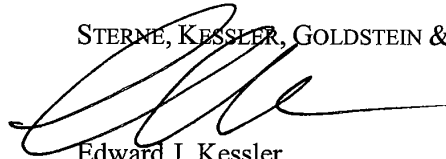
In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents
December 9, 2009
Page 2

Fee payment is provided through online credit card payment. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Edward J. Kessler
Attorney for Applicants
Registration No. 25,688

EJK/WPL/la
Enclosure(s)

PATENT APPLICATION FEE DETERMINATION RECORD
Substitute for Form PTO-875

Application or Docket Number	Filing Date	
10/995,159	11/24/2004	☐ To be Mailed

APPLICATION AS FILED – PART I

	(Column 1)	(Column 2)	SMALL ENTITY ☐		OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE ($)	FEE ($)		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =		OR	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =			X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	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).						
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	

APPLICATION AS AMENDED – PART II

		(Column 1)		(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
AMENDMENT	12/09/2009	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 33	Minus	** 110	= 0	X $ =		OR	X $52=	0
	Independent (37 CFR 1.16(h))	* 6	Minus	***5	= 1	X $ =		OR	X $220=	220
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	**220**

		(Column 1)		(Column 2)	(Column 3)			OR		
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =		OR	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =		OR	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	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:
/Wanda Meredith/

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/995,159	11/24/2004	Danny Lange	2222.0300002	5640

26111   7590   03/16/2010
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

EXAMINER
BLAIR, DOUGLAS B

ART UNIT	PAPER NUMBER
2442	

MAIL DATE	DELIVERY MODE
03/16/2010	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.

PTOL-90A (Rev. 04/07)

-- 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 <u>1</u> 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 <u>09 December 2009</u>.

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) <u>86-119</u> 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) <u>86-119</u> 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: _____.

Restriction Requirement

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in

37 CFR 1.17(e), was filed in this application after final rejection. Since this application is

eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e)

has been timely paid, the finality of the previous Office action has been withdrawn pursuant to

37 CFR 1.114. Applicant's submissions filed on 11/13/2009 and 12/9/2009 have been entered.

Response to Amendment

After carefully considering the claims, it appears that the applicant is trying to claim two

separate embodiments of the applicant's disclosure. A restriction requirement is now presented

based on the Examiner's interpretation of how the claims relate to the applicant's disclosure. It

appears invention I and II (identified as follows) are mutually exclusive because in invention I,

the agent is invoked upon the occurrence of an event whereas in invention II, the agent has

already been invoked when the event occurs because the agent is executing instruction for the

event handler that identifies the event and then performing more instructions based on the event.

Whether the applicant elects with or without traverse, the Examiner implores the

applicant to explicitly identify which embodiments of the applicant's invention that the applicant

is trying to claim. This will aid the Examiner in understanding exactly what the applicant is

trying to claim and how that relates to the state of the art. As it stands now, it is not readily

apparent which parts of the claimed invention correspond to which parts of the applicant's

disclosure. Clarification would help further prosecution.

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

I.   Claims 86-93 and 107-112, drawn to systems and medium for receiving data for

creating an agent to perform an operation, invoking execution of the agent on the

occurrence of an event, and communicating the result described in the

embodiment on page 50, lines 5-15 of the applicant's specification, classified in

class 709, subclass 202.

II.   Claims 94-106 and 113-119, drawn to methods and a medium for creating an

agent with a plurality of executable instructions which comprise an event handler which and

instructions that are executed upon the occurrence of an event (described on page 80 and shown

in Figure 16), classified in class 709, subclass 224.

Inventions I and II are related as subcombinations disclosed as usable together in a single

combination. The subcombinations are distinct if they do not overlap in scope and are not

obvious variants, and if it is shown that at least one subcombination is separately usable. In the

instant case, subcombination II has separate utility such as an event handler which is executed by

the agent whereas in invention I the agent is only invoked after the event has occurred. See

MPEP § 806.05(d).

The examiner has required restriction between subcombinations usable together. Where

applicant elects a subcombination and claims thereto are subsequently found allowable, any

claim(s) depending from or otherwise requiring all the limitations of the allowable

subcombination will be examined for patentability in accordance with 37 CFR 1.104. See MPEP

§ 821.04(a). Applicant is advised that if any claim presented in a continuation or divisional

application is anticipated by, or includes all the limitations of, a claim that is allowable in the

present application, such claim may be subject to provisional statutory and/or nonstatutory

double patenting rejections over the claims of the instant application.

Restriction for examination purposes as indicated is proper because all these inventions

listed in this action are independent or distinct for the reasons given above <u>and</u> there would be a

serious search and examination burden if restriction were not required because one or more of

the following reasons apply:

(a) the inventions have acquired a separate status in the art in view of their different

classification;

(b) the inventions have acquired a separate status in the art due to their recognized

divergent subject matter;

(c) the inventions require a different field of search (for example, searching different

classes/subclasses or electronic resources, or employing different search queries);

(d) the prior art applicable to one invention would not likely be applicable to another

invention;

(e) the inventions are likely to raise different non-prior art issues under 35 U.S.C. 101

and/or 35 U.S.C. 112, first paragraph.

Applicant is advised that the reply to this requirement to be complete must include

(i) an election of a invention to be examined even though the requirement may be traversed (37

CFR 1.143) **and (ii) identification of the claims encompassing the elected invention**.

The election of an invention may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse. Traversal must be presented at the time of election in order to be considered timely. Failure to timely traverse the requirement will result in the loss of right to petition under 37 CFR 1.144. If claims are added after the election, applicant must indicate which of these claims are readable on the elected invention.

If claims are added after the election, applicant must indicate which of these claims are readable upon the elected invention.

Should applicant traverse on the ground that the inventions are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DOUGLAS B. BLAIR whose telephone number is (571)272-3893. The examiner can normally be reached on 9:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached on (571) 272-4006. 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.

/Douglas B Blair/
Primary Examiner, Art Unit 2442

Index of Claims

Application/Control No.		**Applicant(s)/Patent Under Reexamination**		
10995159		LANGE ET AL.		
Examiner		**Art Unit**		
DOUGLAS B BLAIR		2442		

✓	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	12/11/2008	05/04/2009	10/26/2009	03/11/2010					
	77	÷	-	-	-					
	78	÷	-	-	-					
	79	÷	-	-	-					
	80	÷	-	-	-					
	81	÷	-	-	-					
	82	÷	-	-	-					
	83	÷	-	-	-					
	84	÷	-	-	-					
	85	÷	-	-	-					
	86	÷	✓	✓	÷					
	87	÷	✓	✓	÷					
	88	÷	✓	✓	÷					
	89	÷	✓	✓	÷					
	90	÷	✓	✓	÷					
	91	÷	✓	✓	÷					
	92	÷	✓	✓	÷					
	93	÷	✓	✓	÷					
	94	÷	✓	✓	÷					
	95	÷	✓	✓	÷					
	96	÷	✓	✓	÷					
	97	÷	✓	✓	÷					
	98		✓	✓	÷					
	99		✓	✓	÷					
	100		✓	✓	÷					
	101		✓	✓	÷					
	102		✓	✓	÷					
	103		✓	✓	÷					
	104		✓	✓	÷					
	105		✓	✓	÷					
	106		✓	✓	÷					
	107			✓	÷					
	108			✓	÷					
	109			✓	÷					
	110			✓	÷					
	111				÷					
	112				÷					

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	10995159	LANGE ET AL.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Examiner	Art Unit
	DOUGLAS B BLAIR	2442

✓	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	12/11/2008	05/04/2009	10/26/2009	03/11/2010					
	113				÷					
	114				÷					
	115				÷					
	116				÷					
	117				÷					
	118				÷					
	119				÷					

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	Confirmation No.: 5640
LANGE *et al.*	Art Unit: 2442
Appl. No.: 10/995,159	Examiner: BLAIR, DOUGLAS B
Filed: November 24, 2004	Atty. Docket: 2222.0300002
For: **Network system extensible by users**	

Amendment and Response to Restriction Requirement

Mail Stop Amendment

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the restriction requirement dated March 16, 2010, Applicants submit the following amendments and remarks.

It is not believed that extensions of time are required, beyond those that may otherwise be provided for in accompanying documents. However, if additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefor are hereby authorized to be charged to our Deposit Account No. 19-0036.

Amendments to the Claims

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

1-85. (Cancelled)

86. (Currently Amended)   A system for performing user customized network-based operations, comprising:

means for receiving data for creating a network-based agent, wherein the network-based agent is configured to perform an operation;

means for invoking [[the]] an execution of the network-based agent on [[the]] an occurrence of an event;

means, including the network-based agent, for using a service and a service resource configured to be consumed by the agent when for performing the operation, wherein the service resource is exhausted after it is upon being consumed by the agent; and

means for communicating [[the]] a result of the operation over a network communications link.

87.   (Previously Presented)   The system of claim 86, wherein the network communications link is a communications link in a public-switched communications network.

88. (Currently Amended) The system of claim 87, further comprising:

means for mediating [[the]] an interaction between the means for using the service and the service.

89. (Currently Amended) The system of claim 88, wherein the means for mediating comprises:

means for monitoring [[the]] an amount of the service resource used by the network-based agent.

Atty. Dkt. No. 2222.0300002

- 3 - LANGE *et al.*

Response to Restriction Requirement of March 16, 2010   Appl. No. 10/995,159

90. (Previously Presented) The system of claim 89, wherein the means for mediating further comprises:

      means for converting between a first messaging protocol used by the network-based agent and a second messaging protocol used by the service.

91. (Previously Presented) The system of claim 86, further comprising:

      means for allowing a user to modify the network-based agent.

92. (Currently Amended) ~~A tangible~~ An article of manufacture including a computer-readable medium having instructions stored thereon, execution of which by a computing device causes the computing device to perform operations comprising:

      ~~instructions to receive~~ receiving data for creating a network-based agent, wherein the network-based agent is configured to perform an operation;

      ~~instructions to invoke the~~ invoking an execution of the network-based agent on ~~the~~ an occurrence of an event;

      ~~instructions to use~~ using a service and a service resource configured to be consumed by the agent ~~when~~ for performing the operation, wherein the service resource is exhausted ~~after it is~~ upon being consumed by the agent; and

      ~~instructions to communicate~~ communicating [[the]] a result of the operation over a network communication link.

93. (Currently Amended) The ~~computer-readable medium~~ article of manufacture of claim 92, wherein the ~~instructions~~ operations further comprise:

      ~~instructions to allow~~ allowing a user to modify the network-based agent.

94-106. (Cancelled)

107. (Currently Amended) A system for performing user customized network-based operations, comprising:

      an agent server configured to:

                                                                          Atty. Dkt. No. 2222.0300002

receive, using a computing device, data for creating a network-based agent, wherein the network-based agent is configured to perform an operation;

invoke, using the computing device, execution of the network-based agent on [[the]] an occurrence of an event, wherein execution of the network-based agent comprises using a service and a service resource configured to be consumed by the network-based agent when the network-based agent performs the operation, and wherein the service resource is exhausted ~~after it is~~ upon being consumed by the agent; and

communicate, using the computing device, [[the]]a result of the operation over a network communications link.

108.   (Currently Amended)   The system of claim 107, wherein the agent server is configured to allow, in conjunction with a user interface, a user to create [[a]] the network-based agent.

109.   (Previously Presented)   The system of claim 107, wherein the agent server invokes execution of the network-based agent using a service wrapper.

110.   (Previously Presented)   The system of claim 109, wherein the service wrapper is configured to identify service permissions associated with the network-based agent and to determine whether the service permissions include permissions required by the service wrapper to execute the network-based agent.

111.   (Currently Amended)   The ~~method~~ system of claim 108, wherein the user interface is a web browser user interface.

112.   (Currently Amended)   The ~~method~~ system of claim 108, wherein the user interface is a voice user interface.

113-119. (Cancelled)

120.   (New) The system of claim 107, wherein the agent server comprises:

Atty. Dkt. No. 2222.0300002

- 5 -

LANGE *et al.*

Response to Restriction Requirement of March 16, 2010   Appl. No. 10/995,159

an engine configured to control an operation of the agent server;

a scheduler coupled to the engine, wherein the scheduler is configured to trigger an execution of the network-based agent on the occurrence of the event; and

an agent object coupled to the agent, wherein the agent object includes data and executable instructions associated with the agent.

121. (New) The system of claim 120, wherein the agent object comprises:

a permission associated with the network-based agent; and

an event handler, including data and executable instructions for directing an operation of the engine on the occurrence of the event.

122. (New) The system of claim 121, wherein the permission comprises a computational permission defining one or more computational resources that the network-based agent is permitted to use.

123. (New) The system of claim 122, wherein the computational permission further defines an extent to which the network-based agent is permitted to use the one or more computational resources.

124. (New) The system of claim 121, wherein the permission comprises a service permission defining one or more services that the network-based agent is permitted to use.

125. (New) The system of claim 124, wherein the service permission further defines an extent to which the network-based agent is permitted to use the one or more services.

126. (New) A method comprising:

receiving, using a computing device, data for creating a network-based agent, wherein the network-based agent performs an operation;

invoking, using the computing device, execution of the network-based agent upon an occurrence of an event, wherein the invoking comprises using a service and a

Atty. Dkt. No. 2222.0300002

service resource configured to be consumed by the agent for performing the operation, and wherein the service resource is exhausted upon being consumed by the agent; and

communicating, using the computing device, a result of the operation over a network communication link.

127.   (New)   The method of claim 126, wherein invoking execution of the network-based agent comprises using an event handler.

128.   (New)   The method of claim 127, wherein the event handler directs operation of the network based agent upon the occurrence of the event.

129.   (New)   The method of claim 127, wherein the event handler defines a predetermined event to occur during execution of the network-based agent.

130.   (New)   The method of claim 126, further comprising:

authorizing access to a computer network, wherein the computer network is programmed to be customized using the network-based agent;

creating the network-based agent, wherein the network-based agent has a plurality of executable instructions for performing the task, wherein the instructions comprise an event handler defining a predetermined event to occur during execution of the service, wherein performing the task comprises using the service and a service resource, and wherein a service wrapper links the service to the service resource and mediates interaction between the service and the service resource; and

accessing, using the service wrapper, information defining an amount of the service resource allocated to be consumed by a principal of the network-based agent, wherein the service wrapper is configured to monitor consumption of the service resource by the agent program.

131.   (New)   The method of claim 130, wherein the executable instructions further comprise:

instructions to define operations supported by the service required to perform the task,

instructions to receive a response from the service including parameters required by the agent program to complete the task, and

instructions to provide an output associated with the task over a network communications link.

132. (New) The method of claim 130, further comprising accessing authorization information of the service wrapper, wherein the authorization information defines access permissions of the network-based agent, and wherein the access permissions define whether the network-based agent is authorized to use the service.

133. (New) The method of claim 126, wherein the service resource comprises discrete units consumable by the network-based agent.

134. (New) The method of claim 130, further comprising converting, using the service wrapper, between an instruction format utilized by an agent server and an instruction format utilized by the service.

135. (New) The method of claim 130, further comprising identifying the predetermined event by a URL, wherein the URL defines a type of the predetermined event and a recipient network based agent.

136. (New) The method of claim 130, further comprising sending the predetermined event via the network-based agent to a second network-based agent to communicate with the second network-based agent.

Atty. Dkt. No. 2222.0300002

Remarks

Upon entry of the foregoing amendment, claims 86-93 and 107-136 are pending in the application, with claims 86, 92, 107, and 126 being the independent claims. Claims 94-106 and 113-119 are sought to be cancelled without prejudice to or disclaimer of the subject matter therein as being directed to non-elected Groups, and claims 1-85 were previously cancelled without prejudice to or disclaimer of the subject matter therein. Claims 86, 88, 89, 92, 93, 107, 108, 111, and 112 are sought to be amended. Applicants reserve the right to prosecute similar or broader claims, with respect to any cancelled and amended claims, in the future. New claims 120-136 are sought to be added.

These changes are believed to introduce no new matter, and their entry is respectfully requested.

Response to Restriction Requirement

In reply to the Office Action dated March 16, 2010, requesting an election of one Group to prosecute in the above-referenced patent application, Applicants hereby elect to prosecute Group I, represented by claims 86-93 and 107-112. Additionally, new claims 120-136 fall within the subject matter of Group I and should also be examined. This election is made without prejudice to or disclaimer of the other claims or subject matter disclosed.

This election is made without traverse.
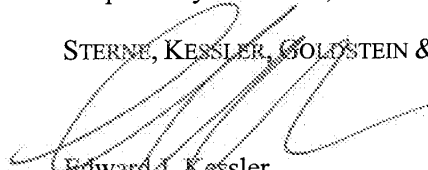
Reconsideration and withdrawal of the Restriction Requirement, and consideration and allowance of all pending claims, are respectfully requested.

Atty. Dkt. No. 2222.0300002

Conclusion

Prompt and favorable consideration of this Response to Restriction Requirement and Preliminary Amendment is respectfully requested. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Edward J. Kessler
Attorney for Applicants
Registration No. 25,688

Date: 16 April 2010

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Atty. Dkt. No. 2222.0300002

Electronic Acknowledgement Receipt

EFS ID:	7432832
Application Number:	10995159
International Application Number:	
Confirmation Number:	5640
Title of Invention:	Network system extensible by users
First Named Inventor/Applicant Name:	Danny Lange
Customer Number:	26111
Filer:	William Pierce Ladd/Leonard Adgerson
Filer Authorized By:	William Pierce Ladd
Attorney Docket Number:	2222.0300002
Receipt Date:	16-APR-2010
Filing Date:	24-NOV-2004
Time Stamp:	16:48:14
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		22220300002restriction.pdf	636954 76552b6bdf69d8a35952f63efda3cdd975aca652	yes	10

Multipart Description/PDF files in .zip description		
Document Description	Start	End
Miscellaneous Incoming Letter	1	1
Response to Election / Restriction Filed	2	2
Claims	3	8
Applicant Arguments/Remarks Made in an Amendment	9	10

Warnings:

Information:

Total Files Size (in bytes):	636954

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.

Sterne Kessler
Goldstein Fox
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April 16, 2010

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Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Art Unit 2442

Attn: Mail Stop Amendment

Re: U.S. Utility Patent Application
Application No. 10/995,159; Filing or 371(c) Date: November 24, 2004
For: **Network System Extensible By Users**
Inventors: LANGE *et al.*
Our Ref: 2222.0300002

Sir:

Transmitted herewith for appropriate action is the following document:

1. Amendment and Response to Restriction Requirement.

The above-listed document is filed electronically through EFS-Web.

In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Edward J. Kessler
Attorney for Applicants
Registration No. 25,688

EJK/WPL/la
Enclosure(s)

PATENT APPLICATION FEE DETERMINATION RECORD
Substitute for Form PTO-875

Application or Docket Number	10/995,159
Filing Date	11/24/2004
☐ To be Mailed	

APPLICATION AS FILED – PART I

SMALL ENTITY ☐ OR OTHER THAN SMALL ENTITY

FOR	NUMBER FILED	NUMBER EXTRA	RATE ($)	FEE ($)		RATE ($)	FEE ($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A		OR	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =			X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =			X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	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).						
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
			TOTAL			TOTAL	

* 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

AMENDMENT — 04/16/2010

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)		RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	* 31	Minus	** 110	= 0	X $ =		OR	X $52=	0
Independent (37 CFR 1.16(h))	* 4	Minus	*** 5	= 0	X $ =		OR	X $220=	0
☐ Application Size Fee (37 CFR 1.16(s))									
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	0

AMENDMENT

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)		RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =		OR	X $ =	
Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =		OR	X $ =	
☐ Application Size Fee (37 CFR 1.16(s))									
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
					TOTAL ADD'L FEE		OR	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:
/MARY PEOPLES/

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 10/995,159	Filing Date 11/24/2004	☐ To be Mailed

APPLICATION AS FILED – PART I

	(Column 1)	(Column 2)	SMALL ENTITY ☐	OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE ($)	FEE ($)	RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =		X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =		X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	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).					
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))						
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL		TOTAL	

APPLICATION AS AMENDED – PART II

		(Column 1)		(Column 2)	(Column 3)	SMALL ENTITY	OR	OTHER THAN SMALL ENTITY	
AMENDMENT	04/16/2010	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 31	Minus	** 110	= 0	X $ =		X $52=	0
	Independent (37 CFR 1.16(h))	* 4	Minus	***5	= 0	X $ =		X $220=	0
	☐ Application Size Fee (37 CFR 1.16(s))						OR		
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						OR		
						TOTAL ADD'L FEE	OR	TOTAL ADD'L FEE	0

		(Column 1)		(Column 2)	(Column 3)		OR		
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =		X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =		X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))						OR		
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						OR		
						TOTAL ADD'L FEE	OR	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:
/MARY PEOPLES/

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/995,159	11/24/2004	Danny Lange	2222.0300002	5640

26111   7590   05/25/2010
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

EXAMINER
BLAIR, DOUGLAS B

ART UNIT	PAPER NUMBER
2442	

MAIL DATE	DELIVERY MODE
05/25/2010	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.

<table>
<tr>
<td rowspan="2">Office Action Summary</td>
<td>Application No.
10/995,159</td>
<td colspan="2">Applicant(s)
LANGE ET AL.</td>
</tr>
<tr>
<td>Examiner
DOUGLAS B. BLAIR</td>
<td>Art Unit
2442</td>
<td></td>
</tr>
</table>

-- 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 April 2010_.

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) _86-93,107-112 and 120-136_ 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) _86-93,107-112 and 120-136_ is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

     a)☐ All   b)☐ Some * c)☐ None of:

         1.☐ Certified copies of the priority documents have been received.

         2.☐ Certified copies of the priority documents have been received in Application No. _____.

         3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

     * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/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

Applicant's election without traverse of claims 86-94 and 107-112 in the reply filed on

4/16/2010 is acknowledged. Claims 94-106 and 113-119 are cancelled.

Response to Arguments

Applicant's arguments with respect to claims 86-93, 107-112, and 120-135 have been

considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 101

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

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

Claims 107-112 and 120-125 rejected under 35 U.S.C. 101 because the claimed invention is

directed to non-statutory subject matter. Claims 107-112 and 120-125 are directed towards a

system comprising an agent server. By definition a server is a software element which answers

socket connections. Because the clients claims are directed towards software per se they do not

fit into any of the statutory categories of invention.

Claim Rejections - 35 USC § 112

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

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

Claims 86-93, 107-112, and 120-135 are rejected under 35 U.S.C. 112, first paragraph, as

failing to comply with the written description requirement. The claim(s) contains subject matter

which was not described in the specification in such a way as to reasonably convey to one skilled

in the relevant art that the inventor(s), at the time the application was filed, had possession of the

claimed invention.

After a careful review of the applicant's specification, the Examiner could not find any

written description support for "exhausting" a resource. Page 85 of the applicant's specification

features the only citation of the word "exhausted":

In both cases, service wrapper 26 actively monitors service resource consumption and halts further
consumption whenever the amount held by an agent 22 is exhausted.

This citation shows that an amount held by an agent can be exhausted but it does not state

that a resource itself can be exhausted, as claimed.

Page 25 of the applicant's specification has the following description of Computational

Resources:

A number of computational resources 21 are available to agent server 20. In general, computational
resources 21 are resources provided or supported by a computer-based system (Figure 2) having one or
more processors, data-storage devices, interfaces, suitable connections, etc. Computational resources
21- include processing time, memory storage space, and the like. As described herein, computational
resources 21 may be "consumed" or "used up" during the operation of network system 2.

This section states that resources can be "consumed" or "used up". Though the phrase

"used up" is broad enough to cover exhausted it also covers situations where an agent may be

"using up" a resource but not necessarily "exhausting" it. The applicant's originally filed

disclosure did not include the concept of "exhausting" a resource.

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

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 130 and 136 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 130 recites the limitation "the task" in the second limitation of the claim. There is no task previously referred to in claims 130 or 126. There is insufficient antecedent basis for this limitation in the claim.

Claim 136 claims sending an "event". It is unclear how an "event" could ever be sent. It is assumed that the applicant is actually trying to claim sending information about an event and not the event itself.

Claim Rejections - 35 USC § 102

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.

Claims 86-93, 107-111, and 120-136 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent Number 6,247,056 to Chou et al.

As to claim 86, Chou teaches a system for performing user customized network-based operations, comprising: means for receiving data for creating a network-based agent, wherein the network-based agent is configured to perform an operation **(the dispatcher in Fig. 2 is the network based agent)**; means for invoking an execution of the network-based agent on an occurrence of an event **(the dispatcher is invoked when the listener receives a request)**; means, including the network-based agent, for using a service and a service resource configured to be consumed by the agent for performing the operation **(the service is the application performed by the cartridges and the service resource is the cartridge itself)**, wherein the service resource is exhausted upon being consumed by the agent **(Figure 3B)**; and means for communicating a result of the operation over a network communications link **(Figure 3B)**.

As to claim 87, See column 5.

As to claim 88, the object request broker 282 reads on this limitation.

As to claim 89, the resource manager 254 is the claimed means.

As to claim 90, the transport adapter reads on this limitation.

As to claim 91, the browser allows for "modification" in the broadly claimed context.

As to claims 92 and 93, they are rejected for the same reasoning as claims 86 and 91.

As to claim 107, it is rejected for the same reasoning as claim 86.

As to claim 108, the browser allows the user to "create" the agent.

As to claim 109, the transport adapter reads on this limitation.

As to claim 110, the authentication server 252 determines permissions.

As to claim 111, the browser reads on this limitation.

As to claim 120, the listener, transport adapter, and dispatcher qualify as these broadly claimed elements.

As to claim 121, the authentication server handles permission.

As to claim 122-125, See figure 3b.

As to claim 126-134 and 136, they are rejected for the reasons pointed out in the preceding rejections.

As to claim 135, see col. 9, lines 12-13.

Claim Rejections - 35 USC § 103

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

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

Claim 112 is rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Number 6,247,856 to Chou et al.

As to claim 112, Chou teaches the use of a conventional browser but Chou does not explicitly teach a voice based browser. Official notice is taken that voice browsers were commonly used. It would have been obvious to one of ordinary skill in the Networking art at the time of the invention to substitute a voice browser for Chou's convention browser because doing so would not require any modifications to Chou's inventive concept and would provide an alternate means for using Chou's invention. It is also noted that the applicant's disclosure

contains nothing novel about the use of a voice based browser so the applicant does not put the

public into any innovative subject matter regarding voice browsers and is therefore clearly not a

patentable distinction.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to DOUGLAS B. BLAIR whose telephone number is (571)272-

3893. The examiner can normally be reached on 9:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Philip Lee can be reached on (571) 272-3967. 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.

/Douglas B Blair/
Primary Examiner, Art Unit 2442

Notice of References Cited

	Application/Control No.	Applicant(s)/Patent Under Reexamination
	10/995,159	LANGE ET AL.
	Examiner	Art Unit	Page 1 of 1
	DOUGLAS B. BLAIR	2442	

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-6,247,056	06-2001	Chou et al.	709/229
*	B	US-5,781,228	07-1998	Sposato, Jonathan N.	725/32
*	C	US-6,539,359	03-2003	Ladd et al.	704/275
*	D	US-6,269,336	07-2001	Ladd et al.	704/270
*	E	US-6,657,990	12-2003	Dilip et al.	370/352
	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.

		Application/Control No.	Applicant(s)/Patent Under Reexamination
Index of Claims		10995159	LANGE ET AL.
		Examiner	Art Unit
		DOUGLAS B BLAIR	2442

✓	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	12/11/2008	05/04/2009	10/26/2009	03/11/2010	05/24/2010					
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	111				÷	✓					
	112				÷	✓					

U.S. Patent and Trademark Office   Part of Paper No. : 20100517

	Index of Claims	Application/Control No. 10995159	Applicant(s)/Patent Under Reexamination LANGE ET AL.
		Examiner DOUGLAS B BLAIR	Art Unit 2442

✓	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									
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	132					✓					
	133					✓					
	134					✓					
	135					✓					
	136					✓					

Search Notes	**Application/Control No.**	**Applicant(s)/Patent Under Reexamination**
	10995159	LANGE ET AL.
	Examiner	**Art Unit**
	DOUGLAS B BLAIR	2442

SEARCHED

Class	Subclass	Date	Examiner
709	202,226	5/4/2009	DBB
	update	10/26/2009	DBB
	update	5/17/2010	DBB

SEARCH NOTES

Search Notes	Date	Examiner
East text search	5/4/2009	DBB
inventor name search	5/4/2009	DBB
update	10/26/2009	DBB
update	5/17/2010	DBB

INTERFERENCE SEARCH

Class	Subclass	Date	Examiner

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	2	("6839733" "6163794").pn.	US-PGPUB; USPAT	OR	OFF	2006/10/16 10:55
S3	2919	709/201.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 16:54
S4	9	agent$1 near server$1 same (service near wrapper$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 16:55
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S6	154	(service near wrapper$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 16:57
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S8	47	agent$1 near server$1 same (service with resource$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 17:00
S9	4	S8 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 17:00
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S16	1891	service$1 with transcod$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:38

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S20	1978	709/202.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:46
S21	97	S18 and S20	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:46
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S29	206	S28 and service with resource $1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:35
S30	113	S28 and service near2 resource$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:35
S31	1	S28 and (service near2 resource$1) with (mediat$3 or monitor$3 or amount$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:36
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S37	5562	S36 and (protocol$1 with (conver$5 or translat$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:43

S38	871	S37 and user$1 with agent$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:44
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S49	145	S48 and (@rlad< "19981023" @ad< "19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21

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S51	2163	709/202.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S52	108	S50 and S51	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S53	22	S52 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
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S59	576	S58 and protocol$1 with (conver$5 or translat$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S60	125	S59 and service near2 resource$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21

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S63	76	S62 same (protocol$1 with (conver$5 or translat$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S64	15	S63 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S65	95070	(resource$1) with (mediat$3 or monitor$3 or amount$1 or consum$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S66	6024	S65 and (protocol$1 with (conver$5 or translat$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S67	137	S66 and user$1 with agent$1 with creat$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S68	69	S67 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S69	2	(S47 S49 S53 S56 S57 S61 S64 S68) and @pd>"20090406"	US-PGPUB; USPAT	OR	OFF	2009/10/26 14:21
S70	1	"20050091305".pn.	US-PGPUB; USPAT	OR	OFF	2010/02/05 18:15
S71	1	"5603031".pn.	US-PGPUB; USPAT	OR	OFF	2010/02/05 18:20
S72	1	"20050091305".pn.	US-PGPUB; USPAT	OR	OFF	2010/03/10 13:40

S73	68	709/225.ccls. and 709/246. ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 13:50
S74	12	S73 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 13:50
S75	2203	authoriz$7 with (consum$5 or usage) with (service$1 or resource$1)	US-PGPUB; USPAT	OR	OFF	2010/03/10 13:55
S76	153	S75 same (prox$3 or wrapper $1 or intermedia$2)	US-PGPUB; USPAT	OR	OFF	2010/03/10 13:56
S77	74	S76 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 13:57
S78	73	S77 and (conver$5 or translat $4 or transcod$3 or formatting)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 13:59
S79	62	S77 and (conver$5 or translat $4 or transcod$3) with (format$1 or protocol$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 13:59
S80	14	S75 same (conver$5 or translat$4 or transcod$3) with (format$1 or protocol$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:03
S81	0	S80 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:03
S82	572	S75 and (conver$5 or translat $4 or transcod$3) with (format$1 or protocol$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:03
S83	168	S82 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:04

S84	106	S83 not S79	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:04
S85	0	S77 and (conver$5 or translat $4 or transcod$3) with (modalit$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:18
S86	1123	(conver$5 or translat$4 or transcod$3) with (modalit$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:18
S87	165	S86 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:18
S88	0	S87 and S76	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:19
S89	0	S87 and S75	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:19
S90	53	ladd.in. and voice	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:19
S91	30	S90 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:20
S92	4	("6839733" "6163794").pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:38
S93	33	("6163794").URPN.	USPAT	OR	OFF	2010/03/10 14:40
S94	2	S93 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:41

S95	27	("5603031" | "5655081" | "5825759" | "5826258" | "5913214" | "5953392" | "5963949" | "5974441" | "5983190" | "5983267" | "6016393" | "6016520" | "6067568" | "6163794" | "6285977" | "6363411" | "6457063" | "6657990").PN. OR ("6839733").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/10 14:43
S96	19	S95 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:43
S97	1	"6839733".pn.	US-PGPUB; USPAT	OR	OFF	2010/05/17 13:51
S98	1181	(mediat$3 or control$4) near (usage or consum$3 or consumption or use or using) with resource$1	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:38
S99	3	S98 same (service near wrapper$1)	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:39
S100	151	S98 same service	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:39
S101	10	S100 and (agent$1 near2 server$1)	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:39
S102	1	S101 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:40
S103	17	S100 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:41
S104	4695	709/226.ccls.	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:47
S105	2398	709/202.ccls.	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:47
S106	118	S104 and S105	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:47
S107	22	S106 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:47

EAST Search History (Interference)

<This search history is empty>

5/24/10 8:05:10 AM
C:\Documents and Settings\dblair\My Documents\EAST\workspaces\10995159.wsp

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/995,159	11/24/2004	Danny Lange	2222.0300002	5640

26111   7590   08/09/2010
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

EXAMINER
BLAIR, DOUGLAS B

ART UNIT	PAPER NUMBER
2442	

MAIL DATE	DELIVERY MODE
08/09/2010	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.

PTOL-90A (Rev. 04/07)

Interview Summary	Application No.	Applicant(s)
	10/995,159	LANGE ET AL.
	Examiner	Art Unit	
	DOUGLAS B. BLAIR	2442	

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

(1) *DOUGLAS B. BLAIR*.   (3)_____.

(2) *William Ladd*.   (4)_____.

   Date of Interview: *30 July 2010*.

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

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

Claim(s) discussed: *86 and 107*.

Identification of prior art discussed: *Chou*.

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

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: *The examiner and Mr. Ladd discussed language that would overcome the 101 and 112 rejections and discussed possible ways to differentiate the applicant's invention from the cited art*.

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

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

/Douglas B Blair/	
Primary Examiner, Art Unit 2442	

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record
A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

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

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

37 CFR §1.2 Business to be transacted in writing.
All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

_____

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

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

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

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

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

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

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

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

Examiner to Check for Accuracy

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	Confirmation No.: 5640
LANGE et al.	Art Unit: 2442
Appl. No.: 10/995,159	Examiner: BLAIR, DOUGLAS B
Filed: November 24, 2004	Atty. Docket: 2222.0300002
For: **Network system extensible by users**	

Amendment and Reply Under 37 C.F.R. § 1.111

Mail Stop Amendment

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

In reply to the Office Action dated May 25, 2010, Applicants submit the following Amendment and Remarks.

It is not believed that extensions of time or fees for net addition of claims are required beyond those that may otherwise be provided for in documents accompanying this paper. However, if additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefore (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 19-0036.

Amendments to the Claims

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

1-85.   (Cancelled)

86.   (Currently Amended) A system for performing user customized network-based operations, comprising:

means for receiving data for creating a network-based agent, wherein the network-based agent is configured to perform an operation;

means for invoking an execution of the network-based agent on an occurrence of an event;

means, including the network-based agent, for using a service and a service resource configured to be consumed by the agent for performing the operation, wherein an amount of the service resource is exhausted upon being consumed by the agent; and

means for communicating a result of the operation over a network communications link.

87.   (Previously Presented)   The system of claim 86, wherein the network communications link is a communications link in a public-switched communications network.

88.   (Previously Presented) The system of claim 87, further comprising:

means for mediating an interaction between the means for using the service and the service.

89.   (Previously Presented)   The system of claim 88, wherein the means for mediating comprises:

means for monitoring an amount of the service resource used by the network-based agent.

Atty. Dkt. No. 2222.0300002

- 3 - LANGE *et al.*

Reply to Office Action of May 25, 2010 Appl. No. 10/995,159

90. (Previously Presented) The system of claim 89, wherein the means for mediating further comprises:

means for converting between a first messaging protocol used by the network-based agent and a second messaging protocol used by the service.

91. (Previously Presented) The system of claim 86, further comprising:

means for allowing a user to modify the network-based agent.

92. (Currently Amended) An article of manufacture including a computer-readable medium having instructions stored thereon, execution of which by a computing device causes the computing device to perform operations comprising:

receiving data for creating a network-based agent, wherein the network-based agent is configured to perform an operation;

invoking an execution of the network-based agent on an occurrence of an event;

using a service and a service resource configured to be consumed by the agent for performing the operation, wherein an amount of the service resource is exhausted upon being consumed by the agent; and

communicating a result of the operation over a network communication link.

93. (Previously Presented) The article of manufacture of claim 92, wherein the operations further comprise:

allowing a user to modify the network-based agent.

94-106. (Cancelled)

107. (Currently Amended) A system for performing user customized network-based operations, comprising:

a processor; and

a memory storing instructions, execution of which by the processor causes the processor to perform operations comprising:

an agent server configured to:

Atty. Dkt. No. 2222.0300002

~~receive, using a computing device,~~ <u>receiving</u> data for creating a network-based agent, wherein the network-based agent is configured to perform an operation<u>,</u> [[;]]

~~invoke, using the computing device,~~ <u>invoking</u> execution of the network-based agent on an occurrence of an event, wherein execution of the network-based agent comprises using a service and a service resource configured to be consumed by the network-based agent when the network-based agent performs the operation, and wherein <u>an amount of</u> the service resource is exhausted upon being consumed by the agent<u>,</u> [[;]] and

~~communicate, using the computing device,~~ <u>communicating</u> a result of the operation over a network communications link.

108.   (Currently Amended)   The system of claim 107, wherein the ~~agent server is configured to allow~~ <u>operations further comprise enabling,</u> ~~in conjunction with~~ <u>using</u> a user interface, a user to create the network-based agent.

109.   (Currently Amended)   The system of claim 107, wherein the ~~agent server invokes~~ <u>operations further comprise invoking</u> execution of the network-based agent using a service wrapper.

110.   (Currently Amended)   The system of claim 109, wherein the <u>operations further comprise:</u> ~~service wrapper is configured to identify~~

<u>identifying, using the service wrapper,</u> service permissions associated with the network-based agent<u>;</u> and ~~to determine~~

<u>determining, using the service wrapper,</u> whether the service permissions include permissions required by the service wrapper to execute the network-based agent.

111.   (Previously Presented)   The system of claim 108, wherein the user interface is a web browser user interface.

112.   (Previously Presented)   The system of claim 108, wherein the user interface is a voice user interface.

Atty. Dkt. No. 2222.0300002

113-119. (Cancelled)

120.   (Currently Amended)   The system of claim 107, ~~wherein the agent server comprises~~ further comprising:

an engine~~;~~ ~~configured to control an operation of the agent server;~~

a scheduler coupled to the engine, wherein the scheduler is configured to trigger an execution of the network-based agent on the occurrence of the event; and

an agent object coupled to the agent, wherein the agent object includes data and executable instructions associated with the agent.

121.   (Previously Presented)   The system of claim 120, wherein the agent object comprises:

a permission associated with the network-based agent; and

an event handler, including data and executable instructions for directing an operation of the engine on the occurrence of the event.

122.   (Previously Presented)   The system of claim 121, wherein the permission comprises a computational permission defining one or more computational resources that the network-based agent is permitted to use.

123.   (Previously Presented)   The system of claim 122, wherein the computational permission further defines an extent to which the network-based agent is permitted to use the one or more computational resources.

124.   (Previously Presented)   The system of claim 121, wherein the permission comprises a service permission defining one or more services that the network-based agent is permitted to use.

Atty. Dkt. No. 2222.0300002

125. (Previously Presented) The system of claim 124, wherein the service permission further defines an extent to which the network-based agent is permitted to use the one or more services.

126. (Currently Amended) A method comprising:

receiving, using a computing device, data for creating a network-based agent, wherein the network-based agent performs an operation;

invoking, using the computing device, execution of the network-based agent upon an occurrence of an event, wherein the invoking comprises using a service and a service resource configured to be consumed by the agent for performing the operation, and wherein a discrete unit of the service resource is exhausted upon being consumed by the agent; and

communicating, using the computing device, a result of the operation over a network communication link.

127. (Previously Presented) The method of claim 126, wherein invoking execution of the network-based agent comprises using an event handler.

128. (Previously Presented) The method of claim 127, wherein the event handler directs operation of the network based agent upon the occurrence of the event.

129. (Previously Presented) The method of claim 127, wherein the event handler defines a predetermined event to occur during execution of the network-based agent.

130. (Currently Amended) The method of claim 126, further comprising:

authorizing access to a computer network, wherein the computer network is programmed to be customized using the network-based agent;

creating the network-based agent, wherein the network-based agent has a plurality of executable instructions for performing an operation the task, wherein the instructions comprise an event handler defining a predetermined event to occur during execution of the service, wherein performing the task operation comprises using the

service and a service resource, and wherein a service wrapper links the service to the service resource and mediates interaction between the service and the service resource; and

accessing, using the service wrapper, information defining an amount of the service resource allocated to be consumed by a principal of the network-based agent, wherein the service wrapper is configured to monitor consumption of the service resource by the agent program.

131.   (Currently Amended)   The method of claim 130, wherein the executable instructions further comprise:

instructions to define operations supported by the service required to perform the ~~task~~ operation,

instructions to receive a response from the service including parameters required by the agent program to complete the ~~task~~ operation, and

instructions to provide an output associated with the ~~task~~ operation over a network communications link.

132.   (Previously Presented)   The method of claim 130, further comprising accessing authorization information of the service wrapper, wherein the authorization information defines access permissions of the network-based agent, and wherein the access permissions define whether the network-based agent is authorized to use the service.

133.   (Cancelled)

134.   (Previously Presented)   The method of claim 130, further comprising converting, using the service wrapper, between an instruction format utilized by an agent server and an instruction format utilized by the service.

135.   (Previously Presented)   The method of claim 130, further comprising identifying the predetermined event by a URL, wherein the URL defines a type of the predetermined event and a recipient network based agent.

Atty. Dkt. No. 2222.0300002

136.   (Currently Amended)   The method of claim 130, further comprising sending information regarding the predetermined event via the network-based agent to a second network-based agent to communicate with the second network-based agent.

137.   (New) The system of claim 107, wherein the event is:

an occurrence of a specified time, or

a lapse of a predetermined amount of time.

138.   (New) The system of claim 107, further comprising an engine configured to control consumption of the service resource by the network-based agent.

139.   (New) The system of claim 107, wherein the data includes data for modifying an agent template to create a user-customized agent.

140.   (New) The method of claim 126, wherein the discrete unit is a discrete unit of time.

Remarks

Reconsideration of this Application is respectfully requested.

Upon entry of the foregoing amendment, claims 86-93, 107-112, 120-132, and 134-140 are pending in the application, with claims 86, 92, 107, and 126 being the independent claims. Claims 107-110, 120, 130, 131, and 136 are sought to be amended. Claims 94-106 and 113-119 were previously cancelled without prejudice to or disclaimer of the subject matter therein. Claim 133 is sought to be cancelled. Applicants reserve the right to prosecute similar or broader claims, with respect to any cancelled or amended claims, in the future. New claims 137-140 are sought to be added. These changes are believed to introduce no new matter, and their entry is respectfully requested.

Based on the above amendment and the following remarks, Applicants respectfully request that the Examiner reconsider all outstanding objections and rejections and that they be withdrawn.

Statement of Substance of Examiner Interview

Applicants thank the Examiner for extending the courtesy of a telephone interview on July 30, 2010, with Applicants' representative William Ladd. In the interview, the Examiner and Applicants' representative discussed the rejections in the Office Action mailed May 25, 2010. Applicants' representative suggested proposed amendments to the independent claims to further distinguish the claims from the applied references. The Examiner tentatively agreed that amendments proposed by Applicants' representative during the interview would overcome the 35 U.S.C. § 101 and 35 U.S.C. § 112 rejections. While the Examiner tentatively agreed that the proposed amendments would advance prosecution of the application, no final agreement was reached regarding allowability of the claims.

Rejection under 35 U.S.C. § 101

At page 2 of the Office Action, the Examiner rejected claims 107-112 and 120-125 under 35 U.S.C. § 101 as allegedly being directed to non-statutory subject matter. Applicants respectfully traverse this rejection.

Atty. Dkt. No. 2222.0300002

Without acquiescing to the propriety of the rejection, Applicants have amended claim 107 to expedite prosecution. As tentatively agreed during the interview, amended claim 107 recites statutory subject matter.

Accordingly, Applicants respectfully request that the Examiner reconsider and withdraw the 35 U.S.C. §101 rejection of claim 107 and pass this claim to allowance. Claims 108-112 and 120-125 depend from claim 107 and include all features therein. Thus, at least based on their respective dependencies to claim 107, claims 108-112 and 120-125 should also be found allowable.

Rejections under 35 U.S.C. § 112

Rejection under 35 U.S.C. § 112, first paragraph

At page 3 of the Office Action, the Examiner rejected claims 86-93, 107-112, and 120-135 under 35 U.S.C. § 112, first paragraph, as allegedly failing to comply with the written description requirement. Without acquiescing to the propriety of the rejection, Applicants have cancelled claim 133, rendering the rejection of claim 133 moot. Applicants respectfully traverse this rejection for the remaining claims.

Without acquiescing to the propriety of the rejection, Applicants have amended claims 86, 92, 107, and 126 to expedite prosecution. As tentatively agreed during the interview, amended claims 86, 92, 107, and 126 fully comply with the written description requirement.

Accordingly, Applicants respectfully request that the Examiner reconsider and withdraw the 35 U.S.C. §112, first paragraph, rejection of claims 86, 92, 107, and 126 and pass these claim to allowance. Claims 87-91, 93, 108-112, 120-125, and 127-135 depend from claims 86, 92, 107, and 126 and include all features therein. Thus, at least based on their respective dependencies to claims 86, 92, 107, and 126, claims 87-91, 93, 108-112, 120-125, 127-132, 134, and 135 should also be found allowable.

Rejection under 35 U.S.C. § 112, second paragraph

At page 4 of the Office Action, the Examiner rejected claims 130 and 136 under 35 U.S.C. § 112, second paragraph, as allegedly being indefinite. Applicants respectfully traverse this rejection.

Without acquiescing to the propriety of the rejection, Applicants have amended claims 130 and 136 to expedite prosecution. Accordingly, Applicants respectfully request that the Examiner reconsider and withdraw the 35 U.S.C. §112, second paragraph, rejection of claims 130 and 136 and pass these claim to allowance.

Rejections under 35 U.S.C. § 102

At page 4 of the Office Action, the Examiner rejected claims 86-93, 107-111, and 120-136 under 35 U.S.C. § 102(e) as being allegedly anticipated by U.S. Patent Number 6,247,056 to Chou et al. ("Chou"). Without acquiescing to the propriety of the rejection, Applicants have cancelled claim 133, rendering the rejection of claim 133 moot. Applicants respectfully traverse this rejection for the remaining claims.

Without acquiescing to the propriety of the rejection, Applicants have amended claims 86, 92, 107, and 126 to recite further features that distinguish over the applied references. For example, claims 86, 92, and 107 recite, inter alia, *"wherein an amount of the service resource is exhausted upon being consumed by the agent,"* and claim 126 recites, inter alia, *"wherein a discrete unit of the service resource is exhausted upon being consumed by the agent."*

At page 5 of the Office Action, the Examiner states that "the service resource is the cartridge itself." Applicants respectfully assert that neither the "cartridges" in Chou, nor any other part of Chou, teaches the above-noted distinguishing features of claims 86, 92, 107, and 126.

In Chou:

A system, method, and computer readable-medium for performing operations associated with browser requests are provided. The system includes a plurality of dispatchers coupled to a plurality of web listeners. Each of the dispatchers receives from a corresponding web listener browser requests received by the corresponding web listener. The system further includes a virtual path manager and a resource manager. The virtual path manager is coupled to the dispatchers through an inter-machine communication mechanism. The virtual path manager indicates to the dispatchers which of a[sic] cartridges is[sic] associated with the browser requests. The resource manager is coupled to the dispatchers through the inter-machine communication mechanism. The resource manager is configured to *assign to each dispatcher of the dispatchers an instance of a cartridge of the cartridges in response to receiving a request for an instance from the dispatcher.* The dispatchers are

Atty. Dkt. No. 2222.0300002

configured to send messages through the inter-machine communication mechanism to the instances that are assigned by the resource manager to the dispatchers. The messages cause the instances to perform the operations associated with the browser requests.

(Chou: abstract (emphasis added).)

Chou further states:

If in step 356 the dispatcher 214 determines that (1) the request must be sent to a cartridge and (2) listener 210 has not been assigned any *instances of that cartridge that are currently FREE*, then the dispatcher 214 communicates with the resource manager 254 to be assigned an instance of the cartridge 230 to which the browser request can be sent. In step 362, shown in FIG. 3B, the resource manager 254 *determines whether an instance of the identified cartridge is available (unowned) among the existing number of instances*. For the purposes of explanation, it shall be assumed that the request is associated with cartridge 230, and that cartridge 230 is a PL/SQL runtime cartridge.

If in step 362 the resource manager identifies an *available instance*, for example instance 260 of the PL/SQL runtime 230, the resource manager 254 informs the dispatcher 214 that the request should be sent to instance 260. The dispatcher 214 then creates and sends a revised browser request to the cartridge execution engine 228 of the instance 260 in step 368 to cause the available instance 260 to process the request, as described below.

However, if in step 362 *no instance of the cartridge 230 is available, the resource manager 254 determines in step 364 if the existing number of instances exceeds a maximum prescribed number*. If the existing number of instances exceeds the maximum prescribed number in step 364, the resource manager 254 indicates to the dispatcher 214 that the request cannot be processed at this time. In response, the dispatcher 214 returns the request to the listener 210 in step 358, after which the web listener 210 sends a reply to the browser 202 over the network in step 360 indicating the request was not processed.

Alternatively, when a cartridge instance is *not currently available to handle a request, listener 210 may place the request on a waiting list for that cartridge instance. When a cartridge instance becomes available, the revised browser request is removed from the waiting list and forwarded to the cartridge instance*. If the revised browser request remains on the waiting list for more than a predetermined amount of time, listener 210 may remove the request from the waiting list and send a

message to the browser 202 to indicate that the request could not be processed.

(Chou: col. 15, line 63 - col. 16, line 26 (emphasis added).)

Thus, Chou does not teach *"wherein an amount of the service resource is exhausted upon being consumed by the agent,"* as recited by claims 86, 92, and 107 or *"wherein a discrete unit of the service resource is exhausted upon being consumed by the agent,"* as recited by claim 126. Rather, in contrast to "[a] . . . resource [that] is *exhausted* upon being *consumed,"* as recited, using respective language, by claims 86, 92, 107, and 126, Chou teaches the exact opposite -- i.e. that the "cartridges" in Chou are *reused.* (Chou: col. 15, line 63 - col. 16, line 26.)

Accordingly, Applicants respectfully request that the Examiner reconsider and withdraw the 35 U.S.C. § 102(e) rejection of claims 86, 92, 107, and 126 and pass these claims to allowance. Additionally, at least based on their respective dependencies to claims 86, 92, 107, and 126, claims 87-91, 93, 108-111, 120-125, 127-132, and 134-136 should be found patentable over Chou, as well as for their additional distinguishing features.

Rejections under 35 U.S.C. § 103

At page 4 of the Office Action, the Examiner rejected claim 112 under 35 U.S.C. § 103(a) as being allegedly unpatentable over Chou in view of "Official Notice." Applicants respectfully traverse this rejection.

At page 6 of the Office Action the Examiner alleges that "[i]t would have been obvious to one of ordinary skill in the Networking art at the time of the invention to substitute a voice browser for Chou's convention[sic] browser because doing so would not require any modifications to Chou's inventive concept and would provide an alternate means for using Chou's invention." Applicants respectfully assert that the Examiner has inappropriately taken "Official Notice." According to the M.P.E.P. at Section 2144.03(A) (emphasis added):

> Official notice without documentary evidence to support an examiner's conclusion is permissible only in some circumstances. While "official notice" may be relied on, *these circumstances should be rare* when an application is

Atty. Dkt. No. 2222.0300002

> under final rejection or action under 37 CFR 1.113. Official notice unsupported by documentary evidence should only be taken by the examiner where the facts asserted to be well-known, or to be common knowledge in the art are *capable of instant and unquestionable demonstration as being well-known.*

In this same Section, the M.P.E.P. then provides some examples of when "Official Notice" was deemed appropriate:

> In *Ahlert*, the court held that the Board properly took judicial notice that "it is old to adjust intensity of a flame in accordance with the heat requirement." See also *In re Fox*, 471 F.2d 1405, 1407, 176 USPQ 340, 341 (CCPA 1973) (the court took "judicial notice of the fact that tape recorders commonly erase tape automatically when new 'audio information' is recorded on a tape which already has a recording on it"). In appropriate circumstances, it might not be unreasonable to take official notice of the fact that it is desirable to make something faster, cheaper, better, or stronger without the specific support of documentary evidence.

The features of claim 112 are not equivalent to adjusting the intensity of a flame in accordance with heat requirements or automatically erasing a tape. Unless the Examiner can show by documentary evidence that the features of claim 112 were well-known at that time, "Official Notice" is not an appropriate basis for a rejection here.

Additionally, the Examiner states at pages 6 and 7 of the Office Action that "applicant's[sic] disclosure contains nothing novel about the use of a voice based browser so that the applicant does not put [into] the public . . . any innovative subject matter regarding voice browsers as is therefore clearly not a patentable distinction." Applicants respectfully disagree with this conclusory statement.

Claim 112 recites "[t]he system of claim 108, wherein the user interface is a voice user interface." Claim 112 is not directed to "nonfunctional descriptive material." (M.P.E.P. §2106.01.) Thus, under the M.P.E.P., "USPTO personnel must consider all claim limitations when determining patentability of an invention over the prior art." (M.P.E.P. § 2106.01, citing *In re Gulack*, 703 F.2d 1381, 1385, 217 USPQ 401, 403-04 (Fed. Cir. 1983).)

Atty. Dkt. No. 2222.0300002

- 15 -   LANGE *et al.*

Reply to Office Action of May 25, 2010   Appl. No. 10/995,159

Further, the United States Supreme Court, in *KSR International vs. Teleflex, Inc.*, 127 S. Ct 1727 (2007), ruled on the requirements for obviousness analysis under 35 U.S.C. 103(a). The most recent MPEP (8th Edition) includes guidelines for §103 rejections, and recites:

> The key to supporting any rejection under 35 U.S.C. 103 is the *clear articulation* of the reason(s) why the claimed invention would have been obvious. The Supreme Court in *KSR* noted that the analysis supporting a rejection under 35 U.S.C. 103 should be made *explicit*. The Court quoting *In re Kahn,* 441 F.3d 977, 988, 78 USPQ2d 1329, 1336 (Fed. Cir. 2006), stated that "'*[R]ejections on obviousness cannot be sustained by mere conclusory statements*; instead, there must be some articulated reasoning with some rational underpinning to support the legal conclusion of obviousness.'" *KSR,* 550 U.S. 398, 82 USPQ2d at 1396.
> (*See,* MPEP, 2141, sec III, 8th Edition, citing *KSR* at 1741 (2007), *emphasis added*.)

In other words, *KSR* and the latest MPEP guidelines require that an obviousness rejection must be supported by *explicit* reasoning and/or **evidence**, and cannot be mere conclusory statements. Assertions that a claim and/or claim element or the Specification "contain[s]" nothing novel," "does not put [into] the public . . . any innovative subject matter," and "is clearly not a patentable distinction" are not sufficient to establish a prima facie case of obviousness under current law.

Accordingly, for at least the above reasons and further in view of its dependency to claim 107, claim 112 should be found allowable over the applied reference, as well as for its additional distinguishing features.

New Claims 137-140

New claims 137-139 depend from claim 107 and include all features therein, and new claim 140 depends from claim 126 and includes all features therein. Thus, for at least this reason, claims 137-140 are allowable, as well as for their additional distinguishing features.

Conclusion

All of the stated grounds of objection and rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the

Atty. Dkt. No. 2222.0300002

Reply to Office Action of May 25, 2010

LANGE *et al.*
Appl. No. 10/995,159

Examiner reconsider all presently outstanding objections and rejections and that they be withdrawn. Applicants believe that a full and complete reply has been made to the outstanding Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Amendment and Reply is respectfully requested.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Edward J. Kessler
Attorney for Applicants
Registration No. 25,688

Date: 20 AUG. 2010

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Electronic Acknowledgement Receipt

EFS ID:	8256678
Application Number:	10995159
International Application Number:	
Confirmation Number:	5640
Title of Invention:	Network system extensible by users
First Named Inventor/Applicant Name:	Danny Lange
Customer Number:	26111
Filer:	William Pierce Ladd/Leonard Adgerson
Filer Authorized By:	William Pierce Ladd
Attorney Docket Number:	2222.0300002
Receipt Date:	20-AUG-2010
Filing Date:	24-NOV-2004
Time Stamp:	12:42:49
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		22220300002amendment.pdf	1133493 1077d25b0abad97d302b77fb404c7dc8d1792278	yes	17

Multipart Description/PDF files in .zip description		
Document Description	**Start**	**End**
Miscellaneous Incoming Letter	1	1
Amendment/Req. Reconsideration-After Non-Final Reject	2	2
Claims	3	9
Applicant Arguments/Remarks Made in an Amendment	10	17

Warnings:	
Information:	
Total Files Size (in bytes):	1133493

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

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

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

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

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August 20, 2010

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Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Art Unit 2442

Attn: Mail Stop Amendment

Re: U.S. Utility Patent Application
Application No. 10/995,159; Filing or 371(c) Date: November 24, 2004
For: **Network System Extensible By Users**
Inventors: LANGE *et al.*
Our Ref: 2222.0300002

Sir:

Transmitted herewith for appropriate action is the following document:

1. Amendment and Reply Under 37 C.F.R. §1.111.

The above-listed document is filed electronically through EFS-Web.

In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Edward J. Kessler
Attorney for Applicants
Registration No. 25,688

EJK/WPL/la
Enclosure(s)

PATENT APPLICATION FEE DETERMINATION RECORD
Substitute for Form PTO-875

Application or Docket Number	Filing Date	
10/995,159	11/24/2004	☐ To be Mailed

APPLICATION AS FILED – PART I

	(Column 1)	(Column 2)	SMALL ENTITY ☐	OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE ($)	FEE ($)	RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =		X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =		X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	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).					
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))						
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL		TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	08/20/2010	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 34	Minus	** 110	= 0	X $ =		OR	X $52=	0
	Independent (37 CFR 1.16(h))	* 4	Minus	***5	= 0	X $ =		OR	X $220=	0
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	0

AMENDMENT		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)	OR	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =		OR	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =		OR	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	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:
/VIKKI SHORT/

UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/995,159	11/24/2004	Danny Lange	2222.0300002	5640

26111   7590   11/08/2010
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WASHINGTON, DC 20005

EXAMINER
BLAIR, DOUGLAS B

ART UNIT	PAPER NUMBER
2442	

MAIL DATE	DELIVERY MODE
11/08/2010	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.

PTOL-90A (Rev. 04/07)

	Application No.	**Applicant(s)**
Office Action Summary	10/995,159	LANGE ET AL.
	Examiner	**Art Unit**	
	DOUGLAS B. BLAIR	2442	

-- 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 *20 August 2010*.

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) *86-93,107-112 and 120-140* 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) *86-93,107-112,120-134 and 136-140* is/are rejected.

7)☒ Claim(s) *135* is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

        1.☐ Certified copies of the priority documents have been received.

        2.☐ Certified copies of the priority documents have been received in Application No. _____.

        3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/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

Response to Amendment

The applicant's claim amendments have obviated the rejections based on 35 USC section 101 and 35 USC section 112 1st and 2nd paragraphs.

Response to Arguments

Applicant's arguments with respect to claims 86-93, 107-112, and 120-140 have been considered but are moot in view of the new ground(s) of rejection. Generally speaking, the applicant's argument on page 13 that the amended claim language is somehow different than what is taught by Chou because in Chou the cartridges are reused is misleading. In the applicant's invention, resources are reused. On page 25 of the applicant's specification resources are defined as including processing time, memory storage space, and the like. While these resources may be at full capacity at any given time, the can always be reused later when they are not at full capacity.

Claim Rejections - 35 USC § 102

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 –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

(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.

Claims 86-93, 107-112, and 120-140 are rejected under 35 U.S.C. 102(a) and (e) as being

anticipated by U.S. Patent Number 5,740,231 to Cohn et al.

As to claim 86, Cohn teaches a system for performing user customized network based

operations, comprising: means for receiving data for creating a network-based agent, wherein the

network-based agent is configured to perform an operation **(col. 10, line 60-col. 11, line 34, the**

programs provided by the hub are the agent); means for invoking an execution of the network

based agent on occurrence of an event **(col. 17, lines 14-55)**; means, including the network based

agent, for using a service **(col. 7, lines 5-58, the network center is the service)** and a service

resource **(col. 7, lines 5-58, the information providers are the service resource)** configured to

be consumed by the agent for performing the operation wherein an amount of the service

resource is exhausted upon being consumed by the agent **(col. 34, lines 6-57, some amount is**

clearly consumed and the user is charged for that amount); and means for communicating a

result of the operation over a network communication link **(col. 7, lines 5-58)**.

As to claim 87, see Figure 1.

As to claim 88, see col. 10, line 60-col. 11, line 34.

As to claim 89, see col. 34, lines 6-57.

As to claim 90, see col. 22, lines 27-53.

As to claim 91, see col. 7, lines 5-58.

As to claims 92, 93, 107, and 108, they are rejected for the same reasoning as claims 86

and 91.

As to claims 111 and 112, see reference numbers 20, 38, 27, 22, and 34 in Figure 1 and corresponding disclosure regarding the information provided to these devices.

As to claims 109 and 110, the network center provides a service wrapper for the information providers.

As to claims 120, see col. 19, lines 31-45.

As to claim 121, see col. 10, line 60-col. 11, line 34 and col. 34, lines 6-57.

As to claims 122-125, the network center billing and authorization functions provide the claimed permissions.

As to claim 126 and 140, the cited embodiments of Cohn show monitoring the amount of time that the users use the network center services.

As to claims 127-134, they are rejected for the same reasoning provided in the rejection of the same limitations above.

As to claim 136, See col. 11, lines 35-43.

As to claim 137, see col. 19, lines 31-45.

As to claim 138, see col. 7, lines 5-58.

As to claim 139, see col. 10, line 60-col. 11, line 34.

Allowable Subject Matter

Claim 135 is 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.

The following is a statement of reasons for the indication of allowable subject matter:

Cohn does not teach or suggest the concept of identifying an event with a URL, wherein the

URL defines the type of the predetermined event and a recipient network based agent. None of

the prior art of record was found to make such a concept obvious in the context of the applicant's

claims

As allowable subject matter has been indicated, applicant's reply must either comply with

all formal requirements or specifically traverse each requirement not complied with. See 37

CFR 1.111(b) and MPEP § 707.07(a).

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this

Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a).

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

MONTHS of the mailing date of this final action and the advisory action is not mailed until after

the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the date of this

final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DOUGLAS B. BLAIR whose telephone number is (571)272-3893. The examiner can normally be reached on 9:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glen Burgess can be reached on (571) 272-3949. 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.

/Douglas B Blair/
Primary Examiner, Art Unit 2442

		Application/Control No.	Applicant(s)/Patent Under Reexamination
Notice of References Cited		10/995,159	LANGE ET AL.
		Examiner	Art Unit	
		DOUGLAS B. BLAIR	2442	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-6,031,895	02-2000	Cohn et al.	379/88.13
*	B	US-5,740,231	04-1998	Cohn et al.	379/88.22
*	C	US-5,633,916	05-1997	Goldhagen et al.	379/88.17
	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.

	Application/Control No.	Applicant(s)/Patent Under Reexamination
Index of Claims	10995159	LANGE ET AL.
	Examiner	**Art Unit**
	DOUGLAS B BLAIR	2442

✓	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								
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	83	÷	-	-	-	-	-			
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	85	÷	-	-	-	-	-			
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	87	÷	✓	✓	÷	✓	✓			
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	90	÷	✓	✓	÷	✓	✓			
	91	÷	✓	✓	÷	✓	✓			
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	106		✓	✓	÷	-	-			
	107			✓	÷	✓	✓			
	108			✓	÷	✓	✓			
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	110			✓	÷	✓	✓			
	111				÷	✓	✓			
	112				÷	✓	✓			

Index of Claims

	Application/Control No.	Applicant(s)/Patent Under Reexamination
Index of Claims	10995159	LANGE ET AL.
	Examiner	**Art Unit**
	DOUGLAS B BLAIR	2442

✓	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	12/11/2008	05/04/2009	10/26/2009	03/11/2010	05/24/2010	11/05/2010			
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	119				÷	-	-			
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	136					✓	✓			
	137						✓			
	138						✓			
	139						✓			
	140						✓			

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
‖‖‖‖‖‖‖‖‖‖	10995159	LANGE ET AL.
	Examiner	**Art Unit**
	DOUGLAS B BLAIR	2442

SEARCHED

Class	Subclass	Date	Examiner
709	202,226	5/4/2009	DBB
	update	10/26/2009	DBB
	update	5/17/2010	DBB
	update	11/5/2010	DBB

SEARCH NOTES

Search Notes	Date	Examiner
East text search	5/4/2009	DBB
inventor name search	5/4/2009	DBB
update	10/26/2009	DBB
update	5/17/2010	DBB
update	11/5/2010	DBB

INTERFERENCE SEARCH

Class	Subclass	Date	Examiner

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	2	("6839733" "6163794").pn.	US-PGPUB; USPAT	OR	OFF	2006/10/16 10:55
S3	2919	709/201.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 16:54
S4	9	agent$1 near server$1 same (service near wrapper$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 16:55
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S6	154	(service near wrapper$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 16:57
S7	5	S6 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 16:57
S8	47	agent$1 near server$1 same (service with resource$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 17:00
S9	4	S8 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 17:00
S10	785	S3 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 17:04

S11	135	S10 and (service$1 with resource$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 17:04
S12	117	("4575797" | "4653100" | "4716583" | "4974254" | "5001745" | "5079695" | "5093914" | "5129083" | "5129084" | "5136634" | "5187790" | "5206951" | "5261080" | "5297283" | "5303375" | "5303379" | "5307490" | "5321841" | "5327559" | "5339430" | "5351276" | "5367454" | "5377350" | "5379426" | "5396630" | "5414852" | "5421013" | "5421015" | "5446842" | "5446901" | "5452433" | "5500920" | "5546584" | "5559927" | "5603031" | "5608786" | "5636325" | "5665081" | "5825759" | "5826258" | "5860064" | "5873057" | "5890123" | "5913214" | "5953392" | "5963949" | "5974441" | "5983190" | "5983267" | "5987415" | "6016393" | "6016520" | "6067568" | "6144938" | "6163794" | "6285977" | "6363411" | "6366650" | "6457063" | "6657990" | "6839733").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/11 09:12
S13	121	"service wrapper"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:36
S14	169	(service near wrapper$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:36
S15	5	S14 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:36
S16	1891	service$1 with transcod$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:38

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S19	2	S17 and S18	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:40
S20	1978	709/202.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:46
S21	97	S18 and S20	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:46
S22	22	S21 and ((@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:46
S23	170	(service near wrapper$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:32
S24	9	S23 with invok$3	US-PGPUB; USPAT	OR	OFF	2009/04/30 16:32
S25	0	S24 and ((@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:32
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S27	1911	service$1 with transcod$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:35

S28	519	S27 and protocol$1 with (conver$5 or translat$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:35
S29	206	S28 and service with resource $1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:35
S30	113	S28 and service near2 resource$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:35
S31	1	S28 and (service near2 resource$1) with (mediat$3 or monitor$3 or amount$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:36
S32	2	S30 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:36
S33	12987	service near2 resource$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:37
S34	74	S33 same (protocol$1 with (conver$5 or translat$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:37
S35	15	S34 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:38
S36	87784	(resource$1) with (mediat$3 or monitor$3 or amount$1 or consum$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:43
S37	5562	S36 and (protocol$1 with (conver$5 or translat$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:43

S38	871	S37 and user$1 with agent$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:44
S39	151	S38 and (@rlad< "19981023" @ad< "19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:44
S40	128	S37 and user$1 with agent$1 with creat$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:44
S41	67	S40 and (@rlad< "19981023" @ad< "19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:45
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S45	1	"20050091305".pn.	US-PGPUB; USPAT	OR	OFF	2009/05/04 15:35
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S48	2069	service$1 with transcod$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S49	145	S48 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21

S50	4188	709/226.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S51	2163	709/202.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S52	108	S50 and S51	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S53	22	S52 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
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S55	9	S54 with invok$3	US-PGPUB; USPAT	OR	OFF	2009/10/26 14:21
S56	0	S55 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
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S58	2069	service$1 with transcod$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S59	576	S58 and protocol$1 with (conver$5 or translat$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S60	125	S59 and service near2 resource$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21

S61	2	S60 and (@rlad< "19981023" @ad< "19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S62	14099	service near2 resource$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S63	76	S62 same (protocol$1 with (conver$5 or translat$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S64	15	S63 and (@rlad< "19981023" @ad< "19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S65	95070	(resource$1) with (mediat$3 or monitor$3 or amount$1 or consum$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S66	6024	S65 and (protocol$1 with (conver$5 or translat$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S67	137	S66 and user$1 with agent$1 with creat$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S68	69	S67 and (@rlad< "19981023" @ad< "19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S69	2	(S47 S49 S53 S56 S57 S61 S64 S68) and @pd> "20090406"	US-PGPUB; USPAT	OR	OFF	2009/10/26 14:21
S70	1	"20050091305".pn.	US-PGPUB; USPAT	OR	OFF	2010/02/05 18:15
S71	1	"5603031".pn.	US-PGPUB; USPAT	OR	OFF	2010/02/05 18:20
S72	1	"20050091305".pn.	US-PGPUB; USPAT	OR	OFF	2010/03/10 13:40

S73	68	709/225.ccls. and 709/246. ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 13:50
S74	12	S73 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 13:50
S75	2203	authoriz$7 with (consum$5 or usage) with (service$1 or resource$1)	US-PGPUB; USPAT	OR	OFF	2010/03/10 13:55
S76	153	S75 same (prox$3 or wrapper $1 or intermedia$2)	US-PGPUB; USPAT	OR	OFF	2010/03/10 13:56
S77	74	S76 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 13:57
S78	73	S77 and (conver$5 or translat $4 or transcod$3 or formatting)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 13:59
S79	62	S77 and (conver$5 or translat $4 or transcod$3) with (format$1 or protocol$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 13:59
S80	14	S75 same (conver$5 or translat$4 or transcod$3) with (format$1 or protocol$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:03
S81	0	S80 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:03
S82	572	S75 and (conver$5 or translat $4 or transcod$3) with (format$1 or protocol$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:03
S83	168	S82 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:04

S84	106	S83 not S79	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:04
S85	0	S77 and (conver$5 or translat $4 or transcod$3) with (modalit$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:18
S86	1123	(conver$5 or translat$4 or transcod$3) with (modalit$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:18
S87	165	S86 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:18
S88	0	S87 and S76	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:19
S89	0	S87 and S75	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:19
S90	53	ladd.in. and voice	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:19
S91	30	S90 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:20
S92	4	("6839733" "6163794").pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:38
S93	33	("6163794").URPN.	USPAT	OR	OFF	2010/03/10 14:40
S94	2	S93 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:41

S95	27	("5603031" | "5655081" | "5825759" | "5826258" | "5913214" | "5953392" | "5963949" | "5974441" | "5983190" | "5983267" | "6016393" | "6016520" | "6067568" | "6163794" | "6285977" | "6363411" | "6457063" | "6657990").PN. OR ("6839733").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/10 14:43
S96	19	S95 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:43
S97	1	"6839733".pn.	US-PGPUB; USPAT	OR	OFF	2010/05/17 13:51
S98	1181	(mediat$3 or control$4) near (usage or consum$3 or consumption or use or using) with resource$1	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:38
S99	3	S98 same (service near wrapper$1)	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:39
S100	151	S98 same service	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:39
S101	10	S100 and (agent$1 near2 server$1)	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:39
S102	1	S101 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:40
S103	17	S100 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:41
S104	4695	709/226.ccls.	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:47
S105	2398	709/202.ccls.	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:47
S106	118	S104 and S105	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:47
S107	22	S106 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:47
S108	1	"20050091305".pn.	US-PGPUB; USPAT	OR	OFF	2010/07/20 07:59
S109	1	"20080280906".pn.	US-PGPUB; USPAT	OR	OFF	2010/07/27 16:34
S110	1	"20050091305".pn.	US-PGPUB; USPAT	OR	OFF	2010/07/27 16:35
S111	3	agent$1 with (service adj wrapper$1) with (resource$1)	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:17
S112	3	(agent$1 with (resource$1)) same (service adj wrapper$1)	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:18
S113	14	((resource$1)) same (service adj wrapper$1)	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:18

S114	0	S113 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:19
S115	3	(agent$1 with (resource$1)) same (service adj wrapper$1)	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:23
S116	15	(agent$1 with (resource$1)) and (service adj wrapper$1)	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:24
S117	0	S116 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:24
S118	1488	(agent$1 with (resource$1)) and (protocol$1 with (translat $6 or conver$4))	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:24
S119	274	S118 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:24
S120	616	(agent$1 with (resource$1)) and (protocol$1 near2 (translat$6 or conver$4))	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:25
S121	96	S120 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:25
S122	84	blair.xp. and douglas.xp.	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:31
S123	59	blair.xa. and douglas.xa.	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:34
S124	17	("20020087655" | "6466971" | "6546419" | "6581094" | "6585778" | "6618764" | "6725281" | "6738951" | "6763460" | "6788768" | "6798867" | "6826597" | "7043532" | "7065562" | "7162534").PN. OR ("7356615").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/01 13:35
S125	32	("20010012302" | "20020006803" | "20020091783" | "20020112081" | "20020120697" | "20050207379" | "5623538" | "5630060" | "5635918" | "5764735" | "6009462" | "6212550" | "6333919" | "6389276" | "6411990" | "6463292" | "6718168" | "6738803" | "6754710" | "6771949" | "6795711" | "6826597" | "6889246" | "7024459" | "7130650").PN. OR ("7200680").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/01 13:40
S126	1234	(parental near control$1) with (device$1 or service$1 or resource$1)	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:58
S127	96	S121 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:58

S128	3	S127 and (time near limit$3)	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:59
S129	90	S126 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/11/01 14:00
S130	3	S129 and (time near limit$3)	US-PGPUB; USPAT	OR	OFF	2010/11/01 14:00
S131	34	(schedul$3 near2 agent$1) with (consum$3 or access$3) with (service$1 or resource $1)	US-PGPUB; USPAT	OR	OFF	2010/11/01 14:13
S132	4	S131 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/11/01 14:13
S133	1	"5603031".pn.	US-PGPUB; USPAT	OR	OFF	2010/11/01 15:01
S134	1330	(voxml) or (voice near xml)	US-PGPUB; USPAT	OR	OFF	2010/11/01 15:10
S135	11	S134 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/11/01 15:10
S136	57471	modalit$3	US-PGPUB; USPAT	OR	OFF	2010/11/01 15:12
S137	2134	S136 and xml	US-PGPUB; USPAT	OR	OFF	2010/11/01 15:12
S138	37	S137 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/11/01 15:13
S139	4690	wml with html	US-PGPUB; USPAT	OR	OFF	2010/11/01 15:17
S140	57	S139 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/11/01 15:17
S141	1	"6163794".pn.	US-PGPUB; USPAT	OR	OFF	2010/11/01 15:24
S142	1	"7685252".pn.	US-PGPUB; USPAT	OR	OFF	2010/11/05 08:24
S143	22	("20030046316" | "5748841" | "6088675" | "6115686" | "6269336" | "6314402" | "6385583" | "6418439" | "6456974" | "6493758" | "6507817" | "6569207" | "6578000" | "6587822" | "6626957" | "6636831" | "6718516" | "6807254" | "6925595" | "7359911" | "7546382" | "7577900").PN. OR ("7685252").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 08:24
S144	11	S143 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 08:25
S145	985	(agent$1 near2 monitor$3) with service$1	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 08:43
S146	740	S145 and (periodic$6 or schedul$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 08:44

S147	68	S146 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 08:44
S148	32	"unified services"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 08:48
S149	1	S148 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 08:48
S150	2	("6137884" "6463462").pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 08:53
S151	86	("6463462").URPN.	USPAT	OR	OFF	2010/11/05 08:54
S152	100	("4340973" | "4371751" | "4392248" | "4551855" | "4633515" | "4791658" | "4922514" | "5268928" | "5327478" | "5454024" | "5633916" | "5737395" | "5794039" | "6031895").PN. OR ("6463462").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 08:54
S153	14	S152 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 08:57
S154	1	"6031895".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 09:08
S155	1	"5740231".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 09:09

EAST Search History (Interference)

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11/5/10 2:08:39 PM
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	Confirmation No.: 5640
LANGE *et al.*	Art Unit: 2442
Appl. No.: 10/995,159	Examiner: BLAIR, DOUGLAS B
Filed: November 24, 2004	Atty. Docket: 2222.0300002
For: **Network System Extensible By Users**	

Amendment and Reply Under 37 C.F.R. § 1.116

Mail Stop AF

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

In reply to the Final Office Action dated November 8, 2010, Applicants submit the following Amendment and Remarks.

It is not believed that extensions of time or fees for net addition of claims are required beyond those that may otherwise be provided for in documents accompanying this paper. However, if additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 19-0036.

- 2 -
LANGE *et al.*
Reply to Final Office Action of November 8, 2010
Appl. No. 10/995,159

Amendments to the Claims

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

1-85.   (Cancelled)

86.   (Currently Amended) A system for performing user customized network-based operations, comprising:

means for receiving data for creating a network-based agent; [[,]] ~~wherein the network-based agent is configured to perform an operation~~;

means for invoking, in response to receiving a URL defining a type of event and identifying the network-based agent, an execution of the network-based agent; ~~on an occurrence of an event~~;

means, including the network-based agent, for using a service and a service resource configured to be consumed by the network-based agent for performing the operation, wherein an amount of the service resource is exhausted upon being consumed by the network-based agent; and

means for communicating a result of the operation over a network communications link.

87.   (Previously Presented)   The system of claim 86, wherein the network communications link is a communications link in a public-switched communications network.

88.   (Currently Amended) The system of claim [[87]] 86, further comprising:

means for mediating an interaction between the means for using the service and the service.

89.   (Previously Presented)   The system of claim 88, wherein the means for mediating comprises:

means for monitoring an amount of the service resource used by the network-based agent.

90.   (Previously Presented)   The system of claim 89, wherein the means for mediating further comprises:

means for converting between a first messaging protocol used by the network-based agent and a second messaging protocol used by the service.

91.   (Previously Presented) The system of claim 86, further comprising:

means for allowing a user to modify the network-based agent.

92.   (Currently Amended) An article of manufacture including a computer-readable medium having instructions stored thereon, execution of which by a computing device causes the computing device to perform operations comprising:

receiving data for creating a network-based agent; [[,]] ~~wherein the network-based agent is configured to perform an operation;~~

creating the network-based agent, wherein the network-based agent has a plurality of executable instructions for performing an operation, wherein the instructions comprise an event handler defining a predetermined event to occur during execution of the service;

invoking, in response to receiving a URL defining a type of the predetermined event and identifying the network-based agent, an execution of the network-based agent; ~~on an occurrence of an event;~~

using a service and a service resource configured to be consumed by the network-based agent for performing the operation, wherein an amount of the service resource is exhausted upon being consumed by the network-based agent; and

communicating a result of the operation over a network communication link.

93.   (Previously Presented)   The article of manufacture of claim 92, wherein the operations further comprise:

allowing a user to modify the network-based agent.

Atty. Dkt. No. 2222.0300002

94-106. (Cancelled)

107.   (Currently Amended) A system for performing user customized network-based operations, comprising:

      a processor; and

      a memory storing instructions, execution of which by the processor causes the ~~processor~~ system to perform operations comprising:

          receiving data for creating a network-based agent; [[,]] ~~wherein the network-based agent is configured to perform an operation,~~

          invoking, in response to receiving a URL defining a type of event and identifying the network-based agent, an execution of the network-based agent ~~on an occurrence of an event,~~ wherein the execution of the network-based agent comprises using a service and a service resource configured to be consumed by the network-based agent when the network-based agent performs the operation, and wherein an amount of the service resource is exhausted upon being consumed by the network-based agent, and

          communicating a result of the operation over a network communications link.

108.   (Previously Presented) The system of claim 107, wherein the operations further comprise enabling, using a user interface, a user to create the network-based agent.

109.   (Previously Presented) The system of claim 107, wherein the operations further comprise invoking execution of the network-based agent using a service wrapper.

110.   (Previously Presented) The system of claim 109, wherein the operations further comprise:

      identifying, using the service wrapper, service permissions associated with the network-based agent; and

      determining, using the service wrapper, whether the service permissions include permissions required by the service wrapper to execute the network-based agent.

Atty. Dkt. No. 2222.0300002

111.   (Previously Presented) The system of claim 108, wherein the user interface is a web browser user interface.

112.   (Previously Presented) The system of claim 108, wherein the user interface is a voice user interface.

113-119. (Cancelled)

120.   (Previously Presented) The system of claim 107, further comprising:
        an engine;
        a scheduler coupled to the engine, wherein the scheduler is configured to trigger an execution of the network-based agent on the occurrence of the event; and
        an agent object coupled to the agent, wherein the agent object includes data and executable instructions associated with the agent.

121.   (Previously Presented) The system of claim 120, wherein the agent object comprises:
        a permission associated with the network-based agent; and
        an event handler, including data and executable instructions for directing an operation of the engine on the occurrence of the event.

122.   (Previously Presented) The system of claim 121, wherein the permission comprises a computational permission defining one or more computational resources that the network-based agent is permitted to use.

123.   (Previously Presented) The system of claim 122, wherein the computational permission further defines an extent to which the network-based agent is permitted to use the one or more computational resources.

Atty. Dkt. No. 2222.0300002

- 6 -   LANGE *et al.*

Reply to Final Office Action of November 8, 2010   Appl. No. 10/995,159

124. (Previously Presented)   The system of claim 121, wherein the permission comprises a service permission defining one or more services that the network-based agent is permitted to use.

125. (Previously Presented) The system of claim 124, wherein the service permission further defines an extent to which the network-based agent is permitted to use the one or more services.

126. (Currently Amended) A method comprising:

receiving, using a computing device, data for creating a network-based agent; [[,]] ~~wherein the network-based agent performs an operation;~~

invoking, using the computing device, and in response to receiving a URL defining a type of event and identifying the network-based agent, execution of the network-based agent, ~~upon an occurrence of an event,~~ wherein the invoking comprises using a service and a service resource configured to be consumed by the network-based agent for performing the operation, and wherein a discrete unit of the service resource is exhausted upon being consumed by the network-based agent; and

communicating, using the computing device, a result of the operation over a network communication link.

127. (Previously Presented) The method of claim 126, wherein invoking execution of the network-based agent comprises using an event handler.

128. (Previously Presented)   The method of claim 127, wherein the event handler directs operation of the network based agent upon the occurrence of the event.

129. (Previously Presented)   The method of claim 127, wherein the event handler defines a predetermined event to occur during execution of the network-based agent.

130. (Previously Presented) The method of claim 126, further comprising:

Atty. Dkt. No. 2222.0300002

authorizing access to a computer network, wherein the computer network is programmed to be customized using the network-based agent;

creating the network-based agent, wherein the network-based agent has a plurality of executable instructions for performing an operation, wherein the instructions comprise an event handler defining a predetermined event to occur during execution of the service, wherein performing the operation comprises using the service and a service resource, and wherein a service wrapper links the service to the service resource and mediates interaction between the service and the service resource; and

accessing, using the service wrapper, information defining an amount of the service resource allocated to be consumed by a principal of the network-based agent, wherein the service wrapper is configured to monitor consumption of the service resource by the agent program.

131. (Currently Amended) The method of claim 130, ~~wherein the executable instructions further comprise~~ further comprising:

~~instructions to define~~ defining operations supported by the service required to perform the operation,

~~instructions to receive~~ receiving a response from the service including parameters required by the agent program to complete the operation, and

~~instructions to provide~~ providing an output associated with the operation over a network communications link.

132. (Previously Presented) The method of claim 130, further comprising accessing authorization information of the service wrapper, wherein the authorization information defines access permissions of the network-based agent, and wherein the access permissions define whether the network-based agent is authorized to use the service.

133. (Cancelled)

Atty. Dkt. No. 2222.0300002

134.   (Previously Presented) The method of claim 130, further comprising converting, using the service wrapper, between an instruction format utilized by an agent server and an instruction format utilized by the service.

135.   (Currently Amended) A method comprising:

receiving, using a computing device, data for creating a network-based agent, wherein the network-based agent performs an operation;

invoking, using the computing device, an execution of the network-based agent upon an occurrence of an event, wherein the invoking comprises using a service and a service resource configured to be consumed by the agent for performing the operation, and wherein a discrete unit of the service resource is exhausted upon being consumed by the agent;

communicating, using the computing device, a result of the operation over a network communication link;

authorizing, using the computing device, access to a computer network, wherein the computer network is programmed to be customized using the network-based agent;

creating, using the computing device, the network-based agent, wherein the network-based agent has a plurality of executable instructions for performing an operation, wherein the instructions comprise an event handler defining a predetermined event to occur during execution of the service, wherein performing the operation comprises using the service and a service resource, and wherein a service wrapper links the service to the service resource and mediates interaction between the service and the service resource;

~~The method of claim 130, further comprising~~ identifying, using the computing device, the predetermined event by a URL, wherein the URL defines a type of the predetermined event and a recipient network based agent; and [[.]]

accessing, using the computing device and the service wrapper, information defining an amount of the service resource allocated to be consumed by a principal of the network-based agent, wherein the service wrapper is configured to monitor consumption of the service resource by the agent program.

Atty. Dkt. No. 2222.0300002

136.   (Previously Presented) The method of claim 130, further comprising sending information regarding the predetermined event via the network-based agent to a second network-based agent to communicate with the second network-based agent.

137.   (Previously Presented) The system of claim 107, wherein the event is:

an occurrence of a specified time, or

a lapse of a predetermined amount of time.

138.   (Previously Presented) The system of claim 107, further comprising an engine configured to control consumption of the service resource by the network-based agent.

139.   (Previously Presented) The system of claim 107, wherein the data includes data for modifying an agent template to create a user-customized agent.

140.   (Previously Presented) The method of claim 126, wherein the discrete unit is a discrete unit of time.

Atty. Dkt. No. 2222.0300002

- 10 -
Reply to Final Office Action of November 8, 2010

LANGE *et al.*
Appl. No. 10/995,159

Remarks

Reconsideration of this Application is respectfully requested.

Upon entry of the foregoing amendment, claims 86-93, 107-112, 120-132, and 134-140 are pending in the application, with claims 86, 92, 107, 126, and 135 being the independent claims. Claims 86, 88, 92, 107, 126, and 131 are sought to be amended. Claim 135 is sought to be amended to be rewritten in independent form. Claims 94-106, 113-119, and 133 were previously cancelled without prejudice to or disclaimer of the subject matter therein. Applicants reserve the right to prosecute similar or broader claims, with respect to any cancelled or amended claims, in the future. These changes are believed to introduce no new matter, and their entry is respectfully requested.

Applicants respectfully request entry of this amendment after final rejection because the claim amendments merely incorporate subject matter from the dependent claims into the independent claims or revise the claims to address minor issues. Thus, no further search or consideration is necessitated as a result of this amendment.

Based on the above amendment and the following remarks, Applicants respectfully request that the Examiner reconsider all outstanding objections and rejections and that they be withdrawn.

Rejection under 35 U.S.C. § 102

At page 3 of the Final Office Action, the Examiner rejected claims 86-93, 107-112 and 120-140 under 35 U.S.C. § 102 (e) as being allegedly anticipated by U.S. Patent Number 5,740,231 to Cohn et al. ("Cohn"). This ground of rejection is inconsistent with the Examiner's statement, at page 4 of the Final Office Action, that claim 135 contains allowable subject matter. Applicants respectfully traverse this rejection as it applies to claims 86-93, 107-112, 120-134, and 136-140.

Without acquiescing to the propriety of the rejection, Applicants have amended claims 86, 92, 107, and 126 to recite further features that distinguish over the applied reference. For example, claims 86, 92, 107, 126 recite, *inter alia*, "invoking, in response to receiving a URL defining a type of . . . event and identifying the network-based agent, an execution of the network-based agent."

Atty. Dkt. No. 2222.0300002

- 11 -
Reply to Final Office Action of November 8, 2010
LANGE *et al.*
Appl. No. 10/995,159

At page 4 of the Final Office Action, the Examiner stated that claim 135, which previously recited (before the instant amendment) "identifying the predetermined event by a URL, wherein the URL defines a type of the predetermined event and a recipient network based agent" contained allowable subject matter. Thus, Applicants respectfully assert that at least the feature "invoking, in response to receiving a URL defining a type of . . . event and identifying the network-based agent, an execution of the network-based agent," as recited by amended independent claims 86, 92, 107, and 126, distinguishes over Cohn.

Accordingly, Applicants respectfully request that the Examiner reconsider and withdraw the 35 U.S.C. § 102(e) rejection of claims 86, 92, 107, and 126 and pass these claims to allowance. Additionally, at least based on their respective dependencies to claims 86, 92, 107, 126, claims 87-91, 93, 108-112, 120-125, and 127-140 should be found patentable over the applied reference, as well as for their additional distinguishing features.

Allowable Subject Matter

At page 4 of the Final Office Action, the Examiner objected to claim 135 as being allegedly dependent on a rejected base claim but indicated that claim 135 would be allowable if rewritten in independent form including all the limitations of the base claim and any intervening claims.

Applicants gratefully acknowledge the Examiner's indication that the patent application contains allowable subject matter, and that claim 135 would be allowable over the cited references if rewritten in independent form.

Applicants have rewritten claim 135 in independent form including all the features of the base claim and intervening claim. Accordingly, Applicants respectfully request that the Examiner pass claim 135 to allowance.

Conclusion

All of the stated grounds of objection and rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the Examiner reconsider all presently outstanding objections and rejections and that they be

Atty. Dkt. No. 2222.0300002

- 12 -
Reply to Final Office Action of November 8, 2010

LANGE *et al.*
Appl. No. 10/995,159

withdrawn.   Applicants believe that a full and complete reply has been made to the outstanding Final Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Amendment and Reply is respectfully requested.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Edward J. Kessler
Attorney for Applicants
Registration No. 25,688

Date: 5 Jan 2011

1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600
1288291_1.DOC

Atty. Dkt. No. 2222.0300002

Electronic Acknowledgement Receipt

EFS ID:	9161232
Application Number:	10995159
International Application Number:	
Confirmation Number:	5640
Title of Invention:	Network system extensible by users
First Named Inventor/Applicant Name:	Danny Lange
Customer Number:	26111
Filer:	William Pierce Ladd/Leonard Adgerson
Filer Authorized By:	William Pierce Ladd
Attorney Docket Number:	2222.0300002
Receipt Date:	04-JAN-2011
Filing Date:	24-NOV-2004
Time Stamp:	15:55:59
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		22220300002afamendment.pdf	855224 d0ddba97e3abc45da2407290de509cb4be a4f46d	yes	13

Multipart Description/PDF files in .zip description		
Document Description	Start	End
Miscellaneous Incoming Letter	1	1
Amendment After Final	2	2
Claims	3	10
Applicant Arguments/Remarks Made in an Amendment	11	13

Warnings:

Information:

Total Files Size (in bytes):	855224

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.

EDWARD J. KESSLER
DIRECTOR
(202) 772-8550
EKESSLER@SKGF.COM

Sterne Kessler
Goldstein Fox
ATTORNEYS AT LAW

January 4, 2010

Commissioner for Patents   *Confirmation No. 5640*
PO Box 1450   *Art Unit 2442*
Alexandria, VA 22313-1450   *Attn: Mail Stop AF*

     Re: U.S. Utility Patent Application
               Application No. 10/995,159; Filing or 371(c) Date: November 24, 2004
               For: **Network System Extensible By Users**
               Inventors: LANGE *et al.*
               Our Ref: 2222.0300002

Sir:

Transmitted herewith for appropriate action is the following document:

1. Amendment and Reply Under 37 C.F.R. §1.116.

The above-listed document is filed electronically through EFS-Web.

In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

             Respectfully submitted,

             STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

             Edward J. Kessler
             Attorney for Applicants
             Registration No. 25,688

EJK/WPL/la
Enclosure(s)

PATENT APPLICATION FEE DETERMINATION RECORD
Substitute for Form PTO-875

Application or Docket Number	Filing Date	
10/995,159	11/24/2004	☐ To be Mailed

APPLICATION AS FILED – PART I

	(Column 1)	(Column 2)		SMALL ENTITY ☐ OR		OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA		RATE ($)	FEE ($)	RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A		N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*		X $ =		X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		X $ =		X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	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).						
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL		TOTAL	

APPLICATION AS AMENDED – PART II

		(Column 1)		(Column 2)	(Column 3)	SMALL ENTITY OR		OTHER THAN SMALL ENTITY	
	01/04/2011	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)	RATE ($)	ADDITIONAL FEE ($)
AMENDMENT	Total (37 CFR 1.16(i))	* 34	Minus	** 110	= 0	X $ =		X $52=	0
	Independent (37 CFR 1.16(h))	* 5	Minus	***5	= 0	X $ =		X $220=	0
	☐ Application Size Fee (37 CFR 1.16(s))								
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						OR		
						TOTAL ADD'L FEE		OR TOTAL ADD'L FEE	0

		(Column 1)		(Column 2)	(Column 3)				
		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)	RATE ($)	ADDITIONAL FEE ($)
AMENDMENT	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =		X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =		X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))								
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						OR		
						TOTAL ADD'L FEE		OR 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:
/JAMES MASON/

UNITED STATES PATENT AND TRADEMARK OFFICE

NOTICE OF ALLOWANCE AND FEE(S) DUE

26111   7590   02/02/2011

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

EXAMINER
BLAIR, DOUGLAS B

ART UNIT	PAPER NUMBER
2442	

DATE MAILED: 02/02/2011

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/995,159	11/24/2004	Danny Lange	2222.0300002	5640

TITLE OF INVENTION: NETWORK SYSTEM EXTENSIBLE BY USERS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	$1510	$300	$0	$1810	05/02/2011

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

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

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

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

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

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

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

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

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

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

Page 1 of 3

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

PART B - FEE(S) TRANSMITTAL

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

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

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

| 26111 | 7590 | 02/02/2011 |

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

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

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

_____ (Depositor's name)

_____ (Signature)

_____ (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/995,159	11/24/2004	Danny Lange	2222.0300002	5640

TITLE OF INVENTION: NETWORK SYSTEM EXTENSIBLE BY USERS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	$1510	$300	$0	$1810	05/02/2011

EXAMINER	ART UNIT	CLASS-SUBCLASS
BLAIR, DOUGLAS B	2442	709-202000

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

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

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

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

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

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

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

4b. Payment of Fee(s): **(Please first reapply any previously paid issue fee shown above)**
   ☐ A check is enclosed.
   ☐ Payment by credit card. Form PTO-2038 is attached.
   ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

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

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____   Date _____

Typed or printed name _____   Registration No. _____

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

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

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.   OMB 0651-0033   U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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.
10/995,159	11/24/2004	Danny Lange	2222.0300002	5640

			EXAMINER
26111	7590	02/02/2011	BLAIR, DOUGLAS B

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

ART UNIT	PAPER NUMBER
2442	

DATE MAILED: 02/02/2011

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

The Patent Term Adjustment to date is 1058 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1058 day(s).

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

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

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

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

	Application No.	Applicant(s)
Notice of Allowability	10/995,159	LANGE ET AL.
	Examiner	Art Unit	
	DOUGLAS B. BLAIR	2442	

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

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

1. ☒ This communication is responsive to *1/4/2011*.

2. ☒ The allowed claim(s) is/are *86-93,107-112,120-132 and 134-140*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some* c) ☐ None of the:

       1. ☐ Certified copies of the priority documents have been received.

       2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

       3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

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

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

       Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date *2/5/08*

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

/Douglas B Blair/
Primary Examiner, Art Unit 2442

	Application No.	Applicant(s)
Interview Summary	10/995,159	LANGE ET AL.
	Examiner	Art Unit
	DOUGLAS B. BLAIR	2442

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

(1) *DOUGLAS B. BLAIR*.   (3)_____.

(2) *William Ladd*.   (4)_____.

   Date of Interview: *28 January 2011*.

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

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

Claim(s) discussed: *None*.

Identification of prior art discussed: *None*.

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

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: *Mr. Ladd provided the Examiner with the dates for NPL numbers 16, 21, 28, 35, and 36 from the IDS filed on 2/5/2008*.

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

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

/Douglas B Blair/ Primary Examiner, Art Unit 2442	

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record
A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

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

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

37 CFR §1.2 Business to be transacted in writing.
All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

_____

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

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

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

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

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

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

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

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

Examiner to Check for Accuracy

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

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with William Ladd on 1/13/2011.

The application has been amended as follows:

Amendments to the Claims:

1-85.   (Cancelled)

86.   (Currently Amended) A system for performing user customized network-based operations, comprising:

means for receiving data for creating a network-based agent: [[,]] ~~wherein the network-based agent is configured to perform an operation;~~

means for invoking, in response to receiving a URL defining a type of event and identifying the network-based agent, an execution of the network-based agent: ~~on an occurrence of an event;~~

means, including the network-based agent, for using a service and a service resource configured to be consumed by the network-based agent for performing the operation, wherein an amount of the service resource is exhausted upon being consumed by the network-based agent; and

means for communicating a result of the operation over a network communications link.

87.   (Previously Presented) The system of claim 86, wherein the network communications link is a communications link in a public-switched communications network.

88.   (Currently Amended) The system of claim [[87]] 86, further comprising:

means for mediating an interaction between the means for using the service and the service.

89.   (Previously Presented) The system of claim 88, wherein the means for mediating comprises:

means for monitoring an amount of the service resource used by the network-based agent.

90.   (Previously Presented) The system of claim 89, wherein the means for mediating further comprises:

 means for converting between a first messaging protocol used by the network-based agent and a second messaging protocol used by the service.

91.   (Previously Presented) The system of claim 86, further comprising:

 means for allowing a user to modify the network-based agent.

92.   (Currently Amended) An article of manufacture including a <u>non-transitory</u> computer-readable medium having instructions stored thereon, execution of which by a computing device causes the computing device to perform operations comprising:

 receiving data for creating a network-based agent<u>;</u> [[,]] ~~wherein the network-based agent is configured to perform an operation;~~

 <u>creating the network-based agent, wherein the network-based agent has a plurality of executable instructions for performing an operation, wherein the instructions comprise an event handler defining a predetermined event to occur during execution of the service;</u>

 invoking<u>, in response to receiving a URL defining a type of the predetermined event and identifying the network-based agent,</u> an execution of the network-based agent<u>;</u> ~~on an occurrence of an event;~~

 using a service and a service resource configured to be consumed by the <u>network-based</u> agent for performing the operation, wherein an amount of the service resource is exhausted upon being consumed by the <u>network-based</u> agent; and

 communicating a result of the operation over a network communication link.

93.   (Previously Presented) The article of manufacture of claim 92, wherein the operations further comprise:

 allowing a user to modify the network-based agent.

94-106. (Cancelled)

107.   (Currently Amended) A system for performing user customized network-based operations, comprising:

        a processor; and

        a memory storing instructions, execution of which by the processor causes the ~~processor~~ system to perform operations comprising:

                receiving data for creating a network-based agent: [[,]] ~~wherein the network-based agent is configured to perform an operation,~~

                invoking, in response to receiving a URL defining a type of event and identifying the network-based agent, an execution of the network-based agent ~~on an occurrence of an event,~~ wherein the execution of the network-based agent comprises using a service and a service resource configured to be consumed by the network-based agent when the network-based agent performs the operation, and wherein an amount of the service resource is exhausted upon being consumed by the network-based agent, and

                communicating a result of the operation over a network communications link.

108.   (Previously Presented) The system of claim 107, wherein the operations further comprise enabling, using a user interface, a user to create the network-based agent.

109.   (Previously Presented) The system of claim 107, wherein the operations further comprise invoking execution of the network-based agent using a service wrapper.

110.   (Previously Presented) The system of claim 109, wherein the operations further comprise:

        identifying, using the service wrapper, service permissions associated with the network-based agent; and

        determining, using the service wrapper, whether the service permissions include permissions required by the service wrapper to execute the network-based agent.

111.   (Previously Presented) The system of claim 108, wherein the user interface is a web browser user interface.

112.   (Previously Presented) The system of claim 108, wherein the user interface is a voice user interface.

113-119. (Cancelled)

120.   (Previously Presented) The system of claim 107, further comprising:

an engine;

a scheduler coupled to the engine, wherein the scheduler is configured to trigger an execution of the network-based agent on the occurrence of the event; and

an agent object coupled to the agent, wherein the agent object includes data and executable instructions associated with the agent.

121.   (Previously Presented) The system of claim 120, wherein the agent object comprises:

a permission associated with the network-based agent; and

an event handler, including data and executable instructions for directing an operation of the engine on the occurrence of the event.

122.   (Previously Presented) The system of claim 121, wherein the permission comprises a computational permission defining one or more computational resources that the network-based agent is permitted to use.

123.   (Previously Presented) The system of claim 122, wherein the computational permission further defines an extent to which the network-based agent is permitted to use the one or more computational resources.

124.   (Previously Presented) The system of claim 121, wherein the permission comprises a service permission defining one or more services that the network-based agent is permitted to use.

125.   (Previously Presented) The system of claim 124, wherein the service permission further
defines an extent to which the network-based agent is permitted to use the one or more services.

126.   (Currently Amended) A method comprising:

          receiving, using a computing device, data for creating a network-based agent; [[,]]
~~wherein the network-based agent performs an operation;~~

          invoking, using the computing device, and in response to receiving a URL defining a type
of event and identifying the network-based agent, execution of the network-based agent, ~~upon an~~
~~occurrence of an event,~~ wherein the invoking comprises using a service and a service resource
configured to be consumed by the network-based agent for performing the operation, and
wherein a discrete unit of the service resource is exhausted upon being consumed by the
network-based agent; and

          communicating, using the computing device, a result of the operation over a network
communication link.

127.   (Previously Presented) The method of claim 126, wherein invoking execution of the
network-based agent comprises using an event handler.

128.   (Previously Presented) The method of claim 127, wherein the event handler directs
operation of the network based agent upon the occurrence of the event.

129.   (Previously Presented) The method of claim 127, wherein the event handler defines a
predetermined event to occur during execution of the network-based agent.

130.   (Previously Presented) The method of claim 126, further comprising:

          authorizing access to a computer network, wherein the computer network is programmed
to be customized using the network-based agent;

          creating the network-based agent, wherein the network-based agent has a plurality of
executable instructions for performing an operation, wherein the instructions comprise an event
handler defining a predetermined event to occur during execution of the service, wherein

performing the operation comprises using the service and a service resource, and wherein a service wrapper links the service to the service resource and mediates interaction between the service and the service resource; and

accessing, using the service wrapper, information defining an amount of the service resource allocated to be consumed by a principal of the network-based agent, wherein the service wrapper is configured to monitor consumption of the service resource by the agent program.

131.   (Currently Amended) The method of claim 130, ~~wherein the executable instructions further comprise~~ further comprising:

~~instructions to define~~ defining operations supported by the service required to perform the operation,

~~instructions to receive~~ receiving a response from the service including parameters required by the agent program to complete the operation, and

~~instructions to provide~~ providing an output associated with the operation over a network communications link.

132.   (Previously Presented)   The method of claim 130, further comprising accessing authorization information of the service wrapper, wherein the authorization information defines access permissions of the network-based agent, and wherein the access permissions define whether the network-based agent is authorized to use the service.

133.   (Cancelled)

134.   (Previously Presented) The method of claim 130, further comprising converting, using the service wrapper, between an instruction format utilized by an agent server and an instruction format utilized by the service.

135.   (Currently Amended) A method comprising:

receiving, using a computing device, data for creating a network-based agent, wherein the network-based agent performs an operation;

invoking, using the computing device, an execution of the network-based agent upon an occurrence of an event, wherein the invoking comprises using a service and a service resource configured to be consumed by the agent for performing the operation, and wherein a discrete unit of the service resource is exhausted upon being consumed by the agent;

communicating, using the computing device, a result of the operation over a network communication link;

authorizing, using the computing device, access to a computer network, wherein the computer network is programmed to be customized using the network-based agent;

creating, using the computing device, the network-based agent, wherein the network-based agent has a plurality of executable instructions for performing an operation, wherein the instructions comprise an event handler defining a predetermined event to occur during execution of the service, wherein performing the operation comprises using the service and a service resource, and wherein a service wrapper links the service to the service resource and mediates interaction between the service and the service resource;

~~The method of claim 130, further comprising~~ identifying, using the computing device, the predetermined event by a URL, wherein the URL defines a type of the predetermined event and a recipient network based agent; and [[.]]

accessing, using the computing device and the service wrapper, information defining an amount of the service resource allocated to be consumed by a principal of the network-based agent, wherein the service wrapper is configured to monitor consumption of the service resource by the agent program.

136.   (Previously Presented) The method of claim 130, further comprising sending information regarding the predetermined event via the network-based agent to a second network-based agent to communicate with the second network-based agent.

137.   (Previously Presented) The system of claim 107, wherein the event is:

an occurrence of a specified time, or

a lapse of a predetermined amount of time.

138.   (Previously Presented) The system of claim 107, further comprising an engine configured to control consumption of the service resource by the network-based agent.

139.   (Previously Presented) The system of claim 107, wherein the data includes data for modifying an agent template to create a user-customized agent.

140.   (Previously Presented) The method of claim 126, wherein the discrete unit is a discrete unit of time.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to DOUGLAS B. BLAIR whose telephone number is (571)272-

3893. The examiner can normally be reached on 9:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Glen Burgess can be reached on (571) 272-3949. 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.

/Douglas B Blair/
Primary Examiner, Art Unit 2442

		Application/Control No.	Applicant(s)/Patent Under Reexamination
Notice of References Cited		10/995,159	LANGE ET AL.
		Examiner	Art Unit	
		DOUGLAS B. BLAIR	2442	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2010/0332992	12-2010	Donoho et al.	715/736
	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.

Issue Classification		Application/Control No.	Applicant(s)/Patent Under Reexamination
		10995159	LANGE ET AL.
		Examiner	**Art Unit**
		DOUGLAS B BLAIR	2442

ORIGINAL		INTERNATIONAL CLASSIFICATION						
CLASS	**SUBCLASS**	**CLAIMED**					**NON-CLAIMED**	
709	226	G	0	6	F	15 / 173 (2006.0)		
		G	0	6	F	15 / 16 (2006.01.01)		

CROSS REFERENCE(S)

CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
709	202				

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

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
	1		20		39		58		77		96		115	31	134
	2		21		40		59		78		97		116	34	135
	3		22		41		60		79		98		117	32	136
	4		23		42		61		80		99		118	21	137
	5		24		43		62		81		100		119	22	138
	6		25		44		63		82		101	15	120	23	139
	7		26		45		64		83		102	16	121	33	140
	8		27		46		65		84		103	17	122		
	9		28		47		66		85		104	18	123		
	10		29		48		67	1	86		105	19	124		
	11		30		49		68	2	87		106	20	125		
	12		31		50		69	3	88	9	107	24	126		
	13		32		51		70	4	89	10	108	25	127		
	14		33		52		71	5	90	13	109	26	128		
	15		34		53		72	6	91	14	110	27	129		
	16		35		54		73	7	92	11	111	28	130		

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	34	
/DOUGLAS B BLAIR/ Primary Examiner.Art Unit 2442	1/13/2011	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office   Part of Paper No. 20110113

	Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
		10995159	LANGE ET AL.
		Examiner	**Art Unit**
		DOUGLAS B BLAIR	2442

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

	17		36		55		74	8	93	12	112	29	131		
	18		37		56		75		94		113	30	132		
	19		38		57		76		95		114		133		

NONE			**Total Claims Allowed:**	
			34	
(Assistant Examiner)		(Date)		
/DOUGLAS B BLAIR/ Primary Examiner.Art Unit 2442		1/13/2011	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)		(Date)	1	1

U.S. Patent and Trademark Office

Part of Paper No. 20110113

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	2	("6839733" "6163794").pn.	US-PGPUB; USPAT	OR	OFF	2006/10/16 10:55
S3	2919	709/201.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 16:54
S4	9	agent$1 near server$1 same (service near wrapper$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 16:55
S5	0	S4 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 16:56
S6	154	(service near wrapper$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 16:57
S7	5	S6 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 16:57
S8	47	agent$1 near server$1 same (service with resource$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 17:00
S9	4	S8 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 17:00
S10	785	S3 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 17:04

S11	135	S10 and (service$1 with resource$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/09 17:04
S12	117	("4575797" | "4653100" | "4716583" | "4974254" | "5001745" | "5079695" | "5093914" | "5129083" | "5129084" | "5136634" | "5187790" | "5206951" | "5261080" | "5297283" | "5303375" | "5303379" | "5307490" | "5321841" | "5327559" | "5339430" | "5351276" | "5367454" | "5377350" | "5379426" | "5396630" | "5414852" | "5421013" | "5421015" | "5446842" | "5446901" | "5452433" | "5500920" | "5546584" | "5559927" | "5603031" | "5608786" | "5636325" | "5665081" | "5825759" | "5826258" | "5860064" | "5873057" | "5890123" | "5913214" | "5953392" | "5963949" | "5974441" | "5983190" | "5983267" | "5987415" | "6016393" | "6016520" | "6067568" | "6144938" | "6163794" | "6285977" | "6363411" | "6366650" | "6457063" | "6657990" | "6839733").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/11 09:12
S13	121	"service wrapper"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:36
S14	169	(service near wrapper$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:36
S15	5	S14 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:36
S16	1891	service$1 with transcod$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:38

S17	145	S16 and ((@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:38
S18	3776	709/226.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:40
S19	2	S17 and S18	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:40
S20	1978	709/202.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:46
S21	97	S18 and S20	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:46
S22	22	S21 and ((@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/06 15:46
S23	170	(service near wrapper$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:32
S24	9	S23 with invok$3	US-PGPUB; USPAT	OR	OFF	2009/04/30 16:32
S25	0	S24 and ((@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:32
S26	5	S23 and ((@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:32
S27	1911	service$1 with transcod$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:35

S28	519	S27 and protocol$1 with (conver$5 or translat$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:35
S29	206	S28 and service with resource $1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:35
S30	113	S28 and service near2 resource$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:35
S31	1	S28 and (service near2 resource$1) with (mediat$3 or monitor$3 or amount$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:36
S32	2	S30 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:36
S33	12987	service near2 resource$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:37
S34	74	S33 same (protocol$1 with (conver$5 or translat$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:37
S35	15	S34 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:38
S36	87784	(resource$1) with (mediat$3 or monitor$3 or amount$1 or consum$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:43
S37	5562	S36 and (protocol$1 with (conver$5 or translat$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:43

S38	871	S37 and user$1 with agent$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:44
S39	151	S38 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:44
S40	128	S37 and user$1 with agent$1 with creat$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:44
S41	67	S40 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 16:45
S42	117	("4575797" | "4653100" | "4716583" | "4974254" | "5001745" | "5079695" | "5093914" | "5129083" | "5129084" | "5136634" | "5187790" | "5206951" | "5261080" | "5297283" | "5303375" | "5303379" | "5307490" | "5321841" | "5327559" | "5339430" | "5351276" | "5367454" | "5377350" | "5379426" | "5396630" | "5414852" | "5421013" | "5421015" | "5446842" | "5446901" | "5452433" | "5500920" | "5546584" | "5559927" | "5603031" | "5608786" | "5636325" | "5665081" | "5825759" | "5826258" | "5860064" | "5873057" | "5890123" | "5913214" | "5953392" | "5963949" | "5974441" | "5983190" | "5983267" | "5987415" | "6016393" | "6016520" | "6067568" | "6144938" | "6163794" | "6285977" | "6363411" | "6366650" | "6457063" | "6657990" | "6839733").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/30 17:10

S43	61	("4575797" | "4653100" | "4716583" | "4974254" | "5001745" | "5079695" | "5093914" | "5129083" | "5129084" | "5136634" | "5187790" | "5206951" | "5261080" | "5297283" | "5303375" | "5303379" | "5307490" | "5321841" | "5327559" | "5339430" | "5351276" | "5367454" | "5377350" | "5379426" | "5396630" | "5414852" | "5421013" | "5421015" | "5446842" | "5446901" | "5452433" | "5500920" | "5546584" | "5559927" | "5603031" | "5608786" | "5636325" | "5665081" | "5825759" | "5826258" | "5860064" | "5873057" | "5890123" | "5913214" | "5953392" | "5963949" | "5974441" | "5983190" | "5983267" | "5987415" | "6016393" | "6016520" | "6067568" | "6144938" | "6163794" | "6285977" | "6363411" | "6366650" | "6457063" | "6657990" | "6839733").PN.	US-PGPUB; USPAT	OR	OFF	2009/05/04 11:17
S44	1	"7043532".pn.	US-PGPUB; USPAT	OR	OFF	2009/05/04 13:59
S45	1	"20050091305".pn.	US-PGPUB; USPAT	OR	OFF	2009/05/04 15:35
S46	187	(service near wrapper$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S47	5	S46 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S48	2069	service$1 with transcod$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S49	145	S48 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21

S50	4188	709/226.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S51	2163	709/202.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S52	108	S50 and S51	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S53	22	S52 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S54	187	(service near wrapper$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S55	9	S54 with invok$3	US-PGPUB; USPAT	OR	OFF	2009/10/26 14:21
S56	0	S55 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S57	5	S54 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S58	2069	service$1 with transcod$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S59	576	S58 and protocol$1 with (conver$5 or translat$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S60	125	S59 and service near2 resource$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21

S61	2	S60 and (@rlad< "19981023" @ad< "19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S62	14099	service near2 resource$1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S63	76	S62 same (protocol$1 with (conver$5 or translat$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S64	15	S63 and (@rlad< "19981023" @ad< "19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S65	95070	(resource$1) with (mediat$3 or monitor$3 or amount$1 or consum$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S66	6024	S65 and (protocol$1 with (conver$5 or translat$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S67	137	S66 and user$1 with agent$1 with creat$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S68	69	S67 and (@rlad< "19981023" @ad< "19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/26 14:21
S69	2	(S47 S49 S53 S56 S57 S61 S64 S68) and @pd> "20090406"	US-PGPUB; USPAT	OR	OFF	2009/10/26 14:21
S70	1	"20050091305".pn.	US-PGPUB; USPAT	OR	OFF	2010/02/05 18:15
S71	1	"5603031".pn.	US-PGPUB; USPAT	OR	OFF	2010/02/05 18:20
S72	1	"20050091305".pn.	US-PGPUB; USPAT	OR	OFF	2010/03/10 13:40

S73	68	709/225.ccls. and 709/246. ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 13:50
S74	12	S73 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 13:50
S75	2203	authoriz$7 with (consum$5 or usage) with (service$1 or resource$1)	US-PGPUB; USPAT	OR	OFF	2010/03/10 13:55
S76	153	S75 same (prox$3 or wrapper $1 or intermedia$2)	US-PGPUB; USPAT	OR	OFF	2010/03/10 13:56
S77	74	S76 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 13:57
S78	73	S77 and (conver$5 or translat $4 or transcod$3 or formatting)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 13:59
S79	62	S77 and (conver$5 or translat $4 or transcod$3) with (format$1 or protocol$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 13:59
S80	14	S75 same (conver$5 or translat$4 or transcod$3) with (format$1 or protocol$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:03
S81	0	S80 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:03
S82	572	S75 and (conver$5 or translat $4 or transcod$3) with (format$1 or protocol$1)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:03
S83	168	S82 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:04

S84	106	S83 not S79	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:04
S85	0	S77 and (conver$5 or translat $4 or transcod$3) with (modalit$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:18
S86	1123	(conver$5 or translat$4 or transcod$3) with (modalit$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:18
S87	165	S86 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:18
S88	0	S87 and S76	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:19
S89	0	S87 and S75	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:19
S90	53	ladd.in. and voice	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:19
S91	30	S90 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:20
S92	4	("6839733" "6163794").pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:38
S93	33	("6163794").URPN.	USPAT	OR	OFF	2010/03/10 14:40
S94	2	S93 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:41

S95	27	("5603031" | "5655081" | "5825759" | "5826258" | "5913214" | "5953392" | "5963949" | "5974441" | "5983190" | "5983267" | "6016393" | "6016520" | "6067568" | "6163794" | "6285977" | "6363411" | "6457063" | "6657990").PN. OR ("6839733").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/10 14:43
S96	19	S95 and (@rlad<"19981023" @ad<"19981023")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/10 14:43
S97	1	"6839733".pn.	US-PGPUB; USPAT	OR	OFF	2010/05/17 13:51
S98	1181	(mediat$3 or control$4) near (usage or consum$3 or consumption or use or using) with resource$1	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:38
S99	3	S98 same (service near wrapper$1)	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:39
S100	151	S98 same service	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:39
S101	10	S100 and (agent$1 near2 server$1)	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:39
S102	1	S101 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:40
S103	17	S100 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:41
S104	4695	709/226.ccls.	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:47
S105	2398	709/202.ccls.	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:47
S106	118	S104 and S105	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:47
S107	22	S106 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/05/17 14:47
S108	1	"20050091305".pn.	US-PGPUB; USPAT	OR	OFF	2010/07/20 07:59
S109	1	"20080280906".pn.	US-PGPUB; USPAT	OR	OFF	2010/07/27 16:34
S110	1	"20050091305".pn.	US-PGPUB; USPAT	OR	OFF	2010/07/27 16:35
S111	3	agent$1 with (service adj wrapper$1) with (resource$1)	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:17
S112	3	(agent$1 with (resource$1)) same (service adj wrapper$1)	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:18
S113	14	((resource$1)) same (service adj wrapper$1)	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:18

S114	0	S113 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:19
S115	3	(agent$1 with (resource$1)) same (service adj wrapper$1)	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:23
S116	15	(agent$1 with (resource$1)) and (service adj wrapper$1)	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:24
S117	0	S116 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:24
S118	1488	(agent$1 with (resource$1)) and (protocol$1 with (translat $6 or conver$4))	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:24
S119	274	S118 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:24
S120	616	(agent$1 with (resource$1)) and (protocol$1 near2 (translat$6 or conver$4))	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:25
S121	96	S120 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:25
S122	84	blair.xp. and douglas.xp.	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:31
S123	59	blair.xa. and douglas.xa.	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:34
S124	17	("20020087655" | "6466971" | "6546419" | "6581094" | "6585778" | "6618764" | "6725281" | "6738951" | "6763460" | "6788768" | "6798867" | "6826597" | "7043532" | "7065562" | "7162534").PN. OR ("7356615").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/01 13:35
S125	32	("20010012302" | "20020006803" | "20020091783" | "20020112081" | "20020120697" | "20050207379" | "5623538" | "5630060" | "5635918" | "5764735" | "6009462" | "6212550" | "6333919" | "6389276" | "6411990" | "6463292" | "6718168" | "6738803" | "6754710" | "6771949" | "6795711" | "6826597" | "6889246" | "7024459" | "7130650").PN. OR ("7200680").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/01 13:40
S126	1234	(parental near control$1) with (device$1 or service$1 or resource$1)	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:58
S127	96	S121 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:58

S128	3	S127 and (time near limit$3)	US-PGPUB; USPAT	OR	OFF	2010/11/01 13:59
S129	90	S126 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/11/01 14:00
S130	3	S129 and (time near limit$3)	US-PGPUB; USPAT	OR	OFF	2010/11/01 14:00
S131	34	(schedul$3 near2 agent$1) with (consum$3 or access$3) with (service$1 or resource $1)	US-PGPUB; USPAT	OR	OFF	2010/11/01 14:13
S132	4	S131 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/11/01 14:13
S133	1	"5603031".pn.	US-PGPUB; USPAT	OR	OFF	2010/11/01 15:01
S134	1330	(voxml) or (voice near xml)	US-PGPUB; USPAT	OR	OFF	2010/11/01 15:10
S135	11	S134 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/11/01 15:10
S136	57471	modalit$3	US-PGPUB; USPAT	OR	OFF	2010/11/01 15:12
S137	2134	S136 and xml	US-PGPUB; USPAT	OR	OFF	2010/11/01 15:12
S138	37	S137 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/11/01 15:13
S139	4690	wml with html	US-PGPUB; USPAT	OR	OFF	2010/11/01 15:17
S140	57	S139 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2010/11/01 15:17
S141	1	"6163794".pn.	US-PGPUB; USPAT	OR	OFF	2010/11/01 15:24
S142	1	"7685252".pn.	US-PGPUB; USPAT	OR	OFF	2010/11/05 08:24
S143	22	("20030046316" | "5748841" | "6088675" | "6115686" | "6269336" | "6314402" | "6385583" | "6418439" | "6456974" | "6493758" | "6507817" | "6569207" | "6578000" | "6587822" | "6626957" | "6636831" | "6718516" | "6807254" | "6925595" | "7359911" | "7546382" | "7577900").PN. OR ("7685252").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 08:24
S144	11	S143 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 08:25
S145	985	(agent$1 near2 monitor$3) with service$1	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 08:43
S146	740	S145 and (periodic$6 or schedul$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 08:44

S147	68	S146 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 08:44
S148	32	"unified services"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 08:48
S149	1	S148 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 08:48
S150	2	("6137884" "6463462").pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 08:53
S151	86	("6463462").URPN.	USPAT	OR	OFF	2010/11/05 08:54
S152	100	("4340973" | "4371751" | "4392248" | "4551855" | "4633515" | "4791658" | "4922514" | "5268928" | "5327478" | "5454024" | "5633916" | "5737395" | "5794039" | "6031895").PN. OR ("6463462").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 08:54
S153	14	S152 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 08:57
S154	1	"6031895".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 09:08
S155	1	"5740231".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 09:09
S156	2	"20030126122".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/11/05 14:18
S157	1047	(agent$1 near2 monitor$3) with service$1	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/13 15:04
S158	795	S157 and (periodic$6 or schedul$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/13 15:04
S159	69	S158 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/13 15:04
S160	34	"unified services"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/13 15:04
S161	1	S160 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/13 15:04
S162	108	("4340973" | "4371751" | "4392248" | "4551855" | "4633515" | "4791658" | "4922514" | "5268928" | "5327478" | "5454024" | "5633916" | "5737395" | "5794039" | "6031895").PN. OR ("6463462").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/13 15:04
S163	14	S162 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/13 15:04

S164	1	(S159 S161 S163) and @pd>"20101105"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/01/13 15:04
S165	15	((resource$1)) same (service adj wrapper$1)	US-PGPUB; USPAT	OR	OFF	2011/01/13 15:05
S166	0	S165 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2011/01/13 15:05
S167	18	(agent$1 with (resource$1)) and (service adj wrapper$1)	US-PGPUB; USPAT	OR	OFF	2011/01/13 15:05
S168	0	S167 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2011/01/13 15:05
S169	1563	(agent$1 with (resource$1)) and (protocol$1 with (translat $6 or conver$4))	US-PGPUB; USPAT	OR	OFF	2011/01/13 15:05
S170	278	S169 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2011/01/13 15:05
S171	635	(agent$1 with (resource$1)) and (protocol$1 near2 (translat$6 or conver$4))	US-PGPUB; USPAT	OR	OFF	2011/01/13 15:05
S172	97	S171 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2011/01/13 15:05
S173	1284	(parental near control$1) with (device$1 or service$1 or resource$1)	US-PGPUB; USPAT	OR	OFF	2011/01/13 15:05
S174	97	S172 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2011/01/13 15:05
S175	93	S173 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2011/01/13 15:05
S176	36	(schedul$3 near2 agent$1) with (consum$3 or access$3) with (service$1 or resource $1)	US-PGPUB; USPAT	OR	OFF	2011/01/13 15:05
S177	4	S176 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2011/01/13 15:05
S178	1369	(voxml) or (voice near xml)	US-PGPUB; USPAT	OR	OFF	2011/01/13 15:05
S179	11	S178 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2011/01/13 15:05
S180	59289	modalit$3	US-PGPUB; USPAT	OR	OFF	2011/01/13 15:05
S181	2216	S180 and xml	US-PGPUB; USPAT	OR	OFF	2011/01/13 15:05
S182	4794	wml with html	US-PGPUB; USPAT	OR	OFF	2011/01/13 15:05
S183	57	S182 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2011/01/13 15:05

S184	22	("20030046316" | "5748841" | "6088675" | "6115686" | "6269336" | "6314402" | "6385583" | "6418439" | "6456974" | "6493758" | "6507817" | "6569207" | "6578000" | "6587822" | "6626957" | "6636831" | "6718516" | "6807254" | "6925595" | "7359911" | "7546382" | "7577900").PN. OR ("7685252").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/13 15:05
S185	11	S184 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/13 15:05
S186	89	(S166 S168 S170 S172 S174 S175 S177 S179 S181 S183 S185) and @pd>"20101101"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/01/13 15:05
S187	89	(S166 S168 S170 S172 S174 S175 S177 S179 S181 S185) and @pd>"20101101"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/01/13 15:06
S188	8	S187 and (@ad<"19981023" @rlad<"19981023")	US-PGPUB; USPAT	OR	OFF	2011/01/13 15:07
S189	1	"20050091305".pn.	US-PGPUB; USPAT	OR	OFF	2011/01/13 15:35

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	((schedul$3 near2 agent$1) with (consum$3 or access$3) with (service$1 or resource$1)).clm.	US-PGPUB	OR	OFF	2011/01/19 17:47
L2	1	((agent$1 with (resource$1)) and (service adj wrapper$1)).clm.	US-PGPUB	OR	OFF	2011/01/19 17:48

1/19/11 5:49:11 PM
C:\ Documents and Settings\ dblair\ My Documents\ EAST\ workspaces\ 10995159.wsp

Substitute for form 1449/PTO	**Complete if Known**	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT *(Use as many sheets as necessary)*	Application Number	10/995,159
	Filing Date	November 24, 2004
	First Named Inventor	Danny LANGE
	Art Unit	2142
	Examiner Name	Douglas B. Blair
Sheet 1 of 3	Attorney Docket Number	2222.0300002

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number — Number-Kind Code[2] (If Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	US1	4,575,797	03-11-1986	Gruner et al.	
	US2	4,653,100	03-24-1987	Barnett et al.	
	US3	4,716,583	12-01-1987	Groner et al.	
	US4	4,974,254	11-01-1990	Perine et al.	
	US5	5,001,745	03-01-1991	Pollock	
	US6	5,079,695	01-01-1992	Dysart et al.	
	US7	5,093,914	03-01-1992	Coplien et al.	
	US8	5,129,083	07-01-1992	Cutler et al.	
	US9	5,129,084	07-01-1992	Kelly, Jr. et al.	
	US10	5,136,634	08-01-1992	Rae et al.	
	US11	5,187,790	02-01-1993	East et al.	
	US12	5,206,951	04-01-1993	Khoyi et al.	
	US13	5,261,080	11-01-1993	Khoyi et al.	
	US14	5,297,283	03-01-1994	Kelly, Jr. et al.	
	US15	5,303,375	04-01-1994	Collins et al.	
	US16	5,303,379	04-01-1994	Khoyi et al.	
	US17	5,307,490	04-01-1994	Davidson et al.	
	US18	5,321,841	06-01-1994	East et al.	
	US19	5,327,559	07-01-1994	Priven et al.	
	US20	5,339,430	08-01-1994	Lundin et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document — Country Code[3] Number[4] Kind Code[5] (if known)	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]
	FP1	WO 91/10191 A1	07-11-1991	Aoe et al.		
	FP2	WO 96/11542 A2	04-18-1996	Miner et al.		
	FP3	WO 97/33416 A1	09-12-1997	Taskett		
	FP4	EP 0 495310 A2	07-22-1992	Campbell et al.		
	FP5	EP 0 495319 A2	07-22-1992	Crossland et al.		
	FP6	EP 0 546809 A2	06-16-1993	Conner et al.		
	FP7	EP 0 697780 A2	02-21-1996	Martin et al.		
	FP8					
	FP9					

Examiner Signature	/Douglas Blair/	Date Considered	01/31/2011

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	First Named Inventor	Danny LANGE
	Art Unit	2142
	Examiner Name	Douglas B. Blair
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	US21	5,351,276	09-01-1994	Doll, Jr. et al.	
	US22	5,367,454	11-01-1994	Kawamoto et al.	
	US23	5,377,350	12-01-1994	Skinner	
	US24	5,379,426	01-01-1995	Foss et al.	
	US25	5,396,630	03-01-1995	Banda et al.	
	US26	5,414,852	05-01-1995	Kramer et al.	
	US27	5,421,013	05-01-1995	Smith	
	US28	5,421,015	05-01-1995	Khoyi et al.	
	US29	5,446,842	08-01-1995	Schaeffer et al.	
	US30	5,446,901	08-01-1995	Quicki et al.	
	US31	5,452,433	09-01-1995	Nihart et al.	
	US32	5,500,920	03-01-1996	Kupiec	
	US33	5,546,584	08-13-1996	Lundin et al.	
	US34	5,559,927	09-01-1996	Clynes	
	US35	5,608,786	03-04-1997	Gordon	
	US36	5,636,325	06-01-1997	Farrett	
	US37	5,860,064	01-01-1999	Henton	
	US38	5,873,057	02-01-1999	Eves et al.	
	US39	5,890,123	03-30-1999	Brown et al.	
	US40	5,987,415	11-01-1999	Breese et al.	

FOREIGN PATENT DOCUMENTS

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	FP10					
	FP11					
	FP12					
	FP13					
	FP14					
	FP15					
	FP16					
	FP17					
	FP18					

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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, 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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Substitute for form 1449/PTO **FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT** *(Use as many sheets as necessary)*	*Complete if Known*	
	Application Number	10/995,159
	Filing Date	November 24, 2004
	First Named Inventor	Danny LANGE
	Art Unit	2142
	Examiner Name	Douglas B. Blair
Sheet	3	of	3	Attorney Docket Number	2222.0300002

U.S. PATENT DOCUMENTS

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	US41	6,144,938	11-07-2000	Surace et al.	
	US42	6,366,650 B1	04-02-2002	Rhie et al.	
	US43	6,839,733 B1	01-04-2005	Lange et al.	
	US44				
	US45				
	US46				
	US47				
	US48				
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	US60				

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	FP19					
	FP20					
	FP21					
	FP22					
	FP23					
	FP24					
	FP25					
	FP26					
	FP27					

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			Art Unit	2142
			Examiner Name	Douglas B. Blair
Sheet	1	of	5	Attorney Docket Number	2222.0300002

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]
	NPL1	S Gibbs, "Class Management for Software Communities", Communications Of The Association For Computing Machinery, vol. 33, No. 9, 1 Sep. 1990, pp. 90-103, XP 000162393.	
	NPL2	K. Nielsen, et al., "Inter-Processor Communication and ADA in Distributed Real-Time Systems", Computer Communications, vol. 13, No. 8, 1 Oct. 1990, pp. 451-459, XP 000161020.	
	NPL3	W. Gentleman, et al., "Administrators and Multiprocessor Rendezvous Mechanisms", Software Practice & Experience, vol. 22, No. 1. Jan. 1992 Chichester GB.	
	NPL4	G. Welling, et al. "An Architecture of a Threaded Many-to-Many Remote Procedure Call", Proceedings Of The International Conference On Distributed Compution Systems, Yokohama, Jun. 9-12, 1992 No. Conf. 12, 9 Jun. 1992, Institute Of Electrical And Electronics Engineers, pp. 504-511, XP 000341046.	
	NPL5	U. Ramachandran, et al. "An Implementation of Distributed Shared Memory", Software Practice & Experience, vol. 21, No. 5, 1 May 1991, pp. 443-464, XP 000297178.	
	NPL6	H. Bruggemann, "Rights in an Object-Oriented Environment", Database Security V. Status And Prospects Results Of The IFIP WG 11.3 Workshop, 4 Nov. 1991, Shepherdstown, USA.	
	NPL7	M. Rottman and D. Thompson, "The Amcad Real-Time Multiprocessor Operating System", Proceedings of the IEEE 1989 National Aerospace and Electronics Conference NAECON 1989, pp. 1813-1818, (1989).	
	NPL8	A. Corradi, L. Leonardi and M. Zannini, "Distributed Environments Based on Objects: Upgrading Smalltalk Toward Distribution", Ninth Annual International Phoenix Conference On Computers And Communications, 21-23 Mar. 1990 Conference Proceedings, IEEE Computer Society, pp. 332-339, (1990).	
	NPL9	J. Padget, R. Bradford and J. Fitch, "Concurrent Object-Oriented Programming in LISP", Computer Journal, vol. 34, No. 4, Aug. 1991, pp. 311-319, (1991).	
	NPL10	L. Gunaseelan and R. LeBlanc, Jr., "Distributed Eiffel: A Language for Programming Multi-Granular Distributed Objects on the Clouds Operating System", Proceedings Of the 1992 International Conference on Computer Languages, IEEE Computer Society, pp. 331-340 (1992).	

Examiner Signature	/Douglas Blair/	Date Considered	01/31/2011

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	NPL11	K. Ogata, S. Kurihara, M. Inari and N. Doi, "The Design and Implementation of HoME", ACM Sigplan '92 Conference On Programming Language Design And Implementation, San Francisco, CA 17-19 Jun. 1992, ACM Sigplan Notices, vol. 27, No. 7, pp. 44-54, (Jul. 1992).	
	NPL12	James W. Stamos and David K. Gifford, "Remote Evaluation", ACM Transctions on Programming Languages and Systems, vol. 12, No. 4, Oct. 1990, pp. 537-565.	
	NPL13	James W. Stamos and David K. Gifford, "Implementing Remote Evaluation", IEEE Transactions on Software Engineering, vol. 16, No. 7, Jul. 1990, pp. 710-722.	
	NPL14	Casais, Eduardo, "An Object Oriented System Implementing KNOs", Proceedings of the Conference on Office Information Systems, vol. 9, Nos 2-3, pp. 284-290 (1988).	
	NPL15	Kahn, Robert E., and Cerf, Vinton G., "The Digital Library Project: vol. 1: The World of Knowbots"; Corporation of National Research Initiatives (Draft) (1988).	
	NPL16	Borenstein, Nathaniel S., "Secure and Portable Active Messaging: A New Platform for Distributed Applications and Cooperative Work," was to be submitted to Communications of the ACM for publication (date unknown). **1991 — DBB**	
	NPL17	Curtis, Pavel, "LambdaMOO Programmer's Manual", retrieved as /lambda/moo/gamma/ProgrammersManual.texinfo from the Internet network (Aug. 1991).	
	NPL18	Hutchinson, Norman C.; Raj, Rajendra K.; Black, Andrew P.; Levy, Henry M.; and Jul, Eric, "The Emerald Programming Language Report", Technical Report 87-10-07, Department of Computer Science, University of Washington (Oct. 1987).	
	NPL19	Jul, Eric; Levy, Henry; Hutchinson, Norman; and Black, Andrew, "Fine-Grained Mobility in the Emerald System", ACM Transactions on Computer Systems, vol. 6, No. 1, pp. 109-133 (Feb. 1988).	
	NPL20	Rashid, Richard F., and Robertson, George G., "Accent: A Communication Oriented Network Operating System Kernel", ACM document number 0-89791-062-1-12/81-0064, pp. 64-75 (1981).	

Examiner Signature	/Douglas Blair/	Date Considered	01/31/2011

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	NPL21	Butterfield, David A., and Popek, Gerald J., "Network Tasking in the Locus Distributed Unix System", Locus Computing Corporation, Santa Monica, California, pp. 62-71 (date unknown). 1984 ~ DBB	
	NPL22	Douglis, Fred, "Process Migration in the Sprite Operating System", Report No. UCB/CSD 87/343, Computer Science Division (EECS), University of California, Berkeley (Feb. 1987).	
	NPL23	Powell, Michael L., and Miller, Burton P., "Process Migration in DEMOS/MP", ACM document number 0-89791-115-6/83/010/0110 pp. 110-119 (1983).	
	NPL24	Theimer, Marvin M.; Lantz, Keith A.; and Cheriton, David R., "Preemptable Remote Execution Facilities for the V-System", ACM document number 0-89791-174-1-12/85-0002 pp. 2-12 (1985).	
	NPL25	Borenstein, Nathaniel S., "Computational Mail as Network Infrastructure for Computer-Supported Cooperative Work,"CSCW 92 Proceedings, pp. 67-74 (Nov., 1992).	
	NPL26	Makoto, "TNG PhoneShell (part 2). A proposal and an implimentation of internet access method with telephones and facsimilies", JICST abstract 96A0053311, May 1995.	
	NPL27	PwWebSpeak Overview [online]. The Productivity Works, 1996-09-04, [retrieved on 1997-04-15]. Retrieved on the Internet <URL: http://www.prodworks.com/pwwwovw.htm.	
	NPL28	Hakkinen et al., "pwWebSpeak: User Interface Design of an Accessible Web Browser". 1996 ~ DBB	
	NPL29	"`WebSpeak` opens cyberspace to visually impaired," The Times, Trenton, NJ, 3 pages (Feb. 12, 1996). cited by other .	
	NPL30	Christodoulakis et al. "The Multimedia Object Presentation Manager of MINOS: A symmetric approach", SIGMOD vol. 15 No. 2 pp. 295-310, Jun. 1986.	

Examiner Signature	/Douglas Blair/	Date Considered	01/31/2011

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /DB/

Substitute for form 1449/PTO			Complete if Known	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT *(Use as many sheets as necessary)*			Application Number	10/995,159
			Filing Date	November 24, 2004
			First Named Inventor	Danny LANGE
			Art Unit	2142
			Examiner Name	Douglas B. Blair
Sheet	4	of	5	Attorney Docket Number	2222.0300002

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 number, publisher, city and/or country where published	T[2]
	NPL31	Zue, "Navigating the Information Superhighway Using Spoken Language Interfaces" IEEE Expert pp. 39-43, Oct. 1995.	
	NPL32	Caldwell et al., "Project Echo--Telephonic Browser for the WWW", <http:www.cc.gatech.edu/people/home/tgay/echo.html> Apr. 15, 1997, undated.	
	NPL33	James, "Presenting HTML Structure in Audio: User Satisfaction with Audio Hypertext", <http://www-pcd.stanford.edu/.about.fjames/reports/pilot-tr/techrep-pilot. html> Apr. 14, 1997, undated.	
	NPL34	James, "AHA:Audio HTML Access" <http://www-pcd.stanford.edu/.about.fjames/aha/www6/PAPER296.htmll Apr. 14, 1997>, undated.	
	NPL35	Novick et al., "A multimodal browser for the World-Wide Web", undated. **1995 — DBB**	
	NPL36	House, "Spoken-language Access to Multimedia (SLAM)", Master's Thesis, Oregon Graduate Institute, undated. **1995 — DBB**	
	NPL37	Groner, "The telephone--the ultimate terminal", Telphony, pp. 34-40, Jun. 1984.	
	NPL38	Arita et al., "The Voice Browser--an Archetype-Based Dialog Model", NEC Res & Develop., vol. 36 No. 4. pp. 554-561, Oct. 1995.	
	NPL39	Hemphill et al., "(Surfing the Web by Voice", ACM 0-89791-751-0-95/11 pp. 215-222, Nov. 1995.	
	NPL40	Chin, John P., "Personality Trait Attributions to Voice Mail User Interfaces", Proceedings of the 1996 Conference on Human Factors in Computing Systems, CHI 96, Online! Apr. 13-18, 1996, pp. 248-249, XP002113878 Vancouver, BC, CA; retrieved from the Internet on 1999-09-96.	

Examiner Signature	/Douglas Blair/	Date Considered	01/31/2011

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

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /DB/

Equivalent of Form PTO/SB/08B (04-07)
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Substitute for form 1449/PTO			*Complete if Known*	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT *(Use as many sheets as necessary)*			Application Number	10/995,159
			Filing Date	November 24, 2004
			First Named Inventor	Danny LANGE
			Art Unit	2142
			Examiner Name	Douglas B. Blair
Sheet	5	of	5	Attorney Docket Number	2222.0300002

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 number, publisher, city and/or country where published	T[2]
	NPL41	"Method for Appropriately Interfacing to User Characteristics in a Voice Interface System," IBM Technical Disclosure Bulletin, vol. 37, No. 3, pp. 307-308, XP000441484, New York, Mar. 1994.	
	NPL42	Database Inspec 'Online' Institute of Electrical Engineers, Stevenage, GB, Trainer et al.: "The inclusion of personality trait based adaptive interfaces into computer based learning and training environments," Database accession No. 5193879 XP992113879, Abstract and Proceedings of the Thirty-First International Matador Conference, Apr. 20-21, 1995, pp. 195-200, Manchester, UKISBN: 0-333-64086-1.	
	NPL43	Reeves, B. and Nass, C., The Media Equation: How People Treat Computers, Television, and New Media Like Real People and Places, pp. 89-108, ISBN No. 1-57586-052-X, CSLI Publications (1996). cited by other .	
	NPL44	Dunlap, C. AT&T: Internet can talk, too. Computer Reseller News, Nov. 11, 1994, Iss. 607; p. 12 [retrieved on 200-07-06]. REtrieved from the Internet <URL: http://proquest.umi.com/-22 .	
	NPL45	WebSpeak Browser Guides Blind on to Internet. The Sunday Times, Feb. 25, 1996, [retrieved on 1997-04-97]. Retrieved from the Internet <URL: http://www.prodworks.com/st960225.htm>.	
	NPL46	Aguilar, R. Visually Impaired Get Talking Browser. News.com[online], 1996-02-12, [retrieved on 1997-02-12}. Retrieved from the Internet <URL: http://www.news.com/News/ltem/0,4,642,00.htm>.	
	NPL47	"New Product Makes the Internet World Wide Web Usable by the Visually Impaired," at <http://www.prodworks.com/pwwovw.html>, pwWebSpeak Press Release, The Productivity Works, Inc., 2 pages (last updated Feb. 10, 1996). cited by other .	
	NPL48		
	NPL49		
	NPL50		

Examiner Signature	/Douglas Blair/	Date Considered	01/31/2011

*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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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /DB/

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	Confirmation No.: 5640
LANGE *et al.*	Art Unit: 2442
Appl. No.: 10/995,159	Examiner: BLAIR, DOUGLAS B
Filed: November 24, 2004	Atty. Docket: 2222.0300002
For: **Network System Extensible By Users**	

Amendment and Reply Under 37 C.F.R. § 1.116

Mail Stop AF

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

In reply to the Final Office Action dated November 8, 2010, Applicants submit the following Amendment and Remarks.

It is not believed that extensions of time or fees for net addition of claims are required beyond those that may otherwise be provided for in documents accompanying this paper. However, if additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 19-0036.

UNITED STATES PATENT AND TRADEMARK OFFICE

BIB DATA SHEET

CONFIRMATION NO. 5640

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
10/995,159	11/24/2004	709	2442	2222.0300002
	RULE			

APPLICANTS
Danny Lange, Cupertino, CA;
Barbara Nelson, San Mateo, CA;
Jing Su, Cupertino, CA;
James E. White, San Carlos, CA;

** CONTINUING DATA *************************
This application is a CON of 09/712,712 11/14/2000 PAT 6,839,733
which is a CON of 09/178,366 10/23/1998 PAT 6,163,794

** FOREIGN APPLICATIONS *************************

** IF REQUIRED, FOREIGN FILING LICENSE GRANTED **
01/18/2005

Foreign Priority claimed ☐ Yes ☑ No		STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
35 USC 119(a-d) conditions met ☐ Yes ☑ No	☐ Met after Allowance				
Verified and Acknowledged /DOUGLAS B BLAIR/ Examiner's Signature	Initials	CA	17	21	4

ADDRESS

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005
UNITED STATES

TITLE

Network system extensible by users

FILING FEE RECEIVED 2012	FEES: Authority has been given in Paper No._____ to charge/credit DEPOSIT ACCOUNT No._____ for following:	☐ All Fees
		☐ 1.16 Fees (Filing)
		☐ 1.17 Fees (Processing Ext. of time)
		☐ 1.18 Fees (Issue)
		☐ Other _____
		☐ Credit

BIB (Rev. 05/07).

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
‖‖‖‖‖‖‖‖‖‖‖‖‖‖	10995159	LANGE ET AL.
	Examiner	**Art Unit**
	DOUGLAS B BLAIR	2442

SEARCHED

Class	Subclass	Date	Examiner
709	202,226	5/4/2009	DBB
	update	10/26/2009	DBB
	update	5/17/2010	DBB
	update	11/5/2010	DBB
	update	1/13/2011	DBB

SEARCH NOTES

Search Notes	Date	Examiner
East text search	5/4/2009	DBB
inventor name search	5/4/2009	DBB
update	10/26/2009	DBB
update	5/17/2010	DBB
update	11/5/2010	DBB
update	1/13/2011	DBB
inventor name search	1/13/2011	DBB

INTERFERENCE SEARCH

Class	Subclass	Date	Examiner
	see attached history	1/13/2011	DBB

	Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	Index of Claims	10995159	LANGE ET AL.
	‖‖‖‖‖‖‖ (barcode)	**Examiner**	**Art Unit**
		DOUGLAS B BLAIR	2442

✓	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	12/11/2008	05/04/2009	10/26/2009	03/11/2010	05/24/2010	11/05/2010	01/13/2011		
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	Application/Control No.	Applicant(s)/Patent Under Reexamination
Index of Claims	10995159	LANGE ET AL.
	Examiner	**Art Unit**
	DOUGLAS B BLAIR	2442

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CLAIM		DATE								
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U.S. Patent and Trademark Office   Part of Paper No. : 20110113

	Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
		10995159	LANGE ET AL.
		Examiner	**Art Unit**
		DOUGLAS B BLAIR	2442

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
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☐ Claims renumbered in the same order as presented by applicant   ☐ CPA   ☐ T.D.   ☐ R.1.47

CLAIM		DATE								
Final	Original	12/11/2008	05/04/2009	10/26/2009	03/11/2010	05/24/2010	11/05/2010	01/13/2011		
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Index of Claims	**Application/Control No.** 10995159	**Applicant(s)/Patent Under Reexamination** LANGE ET AL.
	Examiner DOUGLAS B BLAIR	**Art Unit** 2442

✓	**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	12/11/2008	05/04/2009	10/26/2009	03/11/2010	05/24/2010	11/05/2010	01/13/2011		
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22	138						✓	=		
23	139						✓	=		
33	140						✓	=		

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Sterne Kessler
Goldstein Fox
ATTORNEYS AT LAW

February 11, 2010

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Confirmation No. 5640
Art Unit 2442
Attn: Mail Stop Issue Fee

Re: U.S. Utility Patent Application
Application No. 10/995,159; Filing or 371(c) Date: November 24, 2004
For: **Network System Extensible By Users**
Inventors: LANGE *et al.*
Our Ref: 2222.0300002

Sir:

Transmitted herewith for appropriate action is the following document:

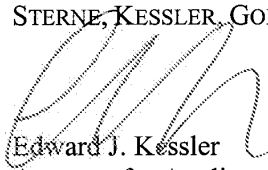1. Statement of Substance of Examiner Interview.

The above-listed document is filed electronically through EFS-Web.

In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Edward J. Kessler
Attorney for Applicants
Registration No. 25,688

EJK/WPL/la
Enclosure(s)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	Confirmation No.: 5640
LANGE *et al.*	Art Unit: 2442
Appl. No.: 10/995,159	Examiner: BLAIR, DOUGLAS B
Filed: November 24, 2004	Atty. Docket: 2222.0300002
For: **Network System Extensible By Users**	

Statement of Substance of Examiner Interview

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants and Applicants' representative, William Ladd, wish to thank Examiner Douglas Blair for extending the courtesy of a telephonic interview on January 28, 2011 with William Ladd (Reg. No. 64,646). In the interview, the Examiner and William Ladd discussed dates for NPLs submitted in an IDS.

Again, Applicant wishes to thank the Examiner for the opportunity to conduct this interview. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Edward J. Kessler
Attorney for Applicants
Registration No. 25,688

Date: 1 Feb 2011

1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600
1320699_1.DOC

Electronic Acknowledgement Receipt

EFS ID:	9427906
Application Number:	10995159
International Application Number:	
Confirmation Number:	5640
Title of Invention:	NETWORK SYSTEM EXTENSIBLE BY USERS
First Named Inventor/Applicant Name:	Danny Lange
Customer Number:	26111
Filer:	William Pierce Ladd/Leonard Adgerson
Filer Authorized By:	William Pierce Ladd
Attorney Docket Number:	2222.0300002
Receipt Date:	11-FEB-2011
Filing Date:	24-NOV-2004
Time Stamp:	14:53:05
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		22220300002summary.pdf	213408 662d10b4ded1445b45426298d736c602e17dde9f	yes	2

Multipart Description/PDF files in .zip description		
Document Description	**Start**	**End**
Miscellaneous Incoming Letter	1	1
Applicant summary of interview with examiner	2	2

Warnings:
Information:

Total Files Size (in bytes):	213408

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.

<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.

<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.

<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.

FORM PTO-1449	ATTY. DOCKET NO.	APPLICATION NO. To be assigned
	FIRST NAMED INVENTOR Danny Lange	
INFORMATION DISCLOSURE STATEMENT	FILING DATE November 24, 2004	ART UNIT To be assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
/DB/	AA2	5,963,949	10/05/1999	Gupta et al.	707	100	
/DB/	AB2	5,913,214	06/15/1999	Madnick et al.	707	10	
/DB/	AC2	5,826,258	10/20/1998	Gupta et al.	707	4	
/DB/	AD2	~~5,665,081~~ 5,655,081	08/05/1997	Bonnell et al.	709	202	
/DB/	AE2	6,016,393	01/18/2000	White et al.	395	6983	
/DB/	AF2	5,953,392	09/14/1999	Rhie et al.	379	8813	
/DB/	AG2	5,603,031	02/11/1997	White et al.	395	683	
	AH2						
	AI2						
	AJ2						
	AK2						

Change(s) applied to document. /A.J.P./ 3/23/2011

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL2						Yes No
	AM2						Yes No
	AN2						Yes No
	AO2						Yes No
	AP2						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/DB/	AR	2	C. Daniel Wolfson, et al., "Intelligent Routers," The 9th International Conference on Distributed Computing Systems, IEEE Computer Society Press, 1989, pages 371-376.
	AS	2	
	AT	2	

EXAMINER /Douglas Blair/	DATE CONSIDERED 05/04/2009

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.

PART B - FEE(S) TRANSMITTAL

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

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

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)
26111 7590 02/02/2011
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

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

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

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/995,159	11/24/2004	Danny Lange	2222.0300002	5640

TITLE OF INVENTION: NETWORK SYSTEM EXTENSIBLE BY USERS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	$1510	$300	$0	$1810	05/02/2011

EXAMINER	ART UNIT	CLASS-SUBCLASS
BLAIR, DOUGLAS B	2442	709-202000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Sterne, Kessler, Goldstein & Fox P.L.L.C.

2 _____

3 _____

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

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

(A) NAME OF ASSIGNEE
Ben Franklin Patent Holding LLC

(B) RESIDENCE: (CITY and STATE OR COUNTRY)
Los Altos, CA

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

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

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)
☐ A check is enclosed.
☒ Payment by credit card. Form PTO-2038 is attached.
☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 19-0036 (enclose an extra copy of this form).

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

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date 4/13/11

Typed or printed name Michael D. Specht Registration No. 54,463

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

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

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010. OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Electronic Patent Application Fee Transmittal

Application Number:	10995159
Filing Date:	24-Nov-2004
Title of Invention:	NETWORK SYSTEM EXTENSIBLE BY USERS
First Named Inventor/Applicant Name:	Danny Lange
Filer:	William Pierce Ladd/Leonard Adgerson
Attorney Docket Number:	2222.0300002
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:				
Utility Appl issue fee	1501	1	1510	1510
Publ. Fee- early, voluntary, or normal	1504	1	300	300

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**1810**

Electronic Acknowledgement Receipt

EFS ID:	9872968
Application Number:	10995159
International Application Number:	
Confirmation Number:	5640
Title of Invention:	NETWORK SYSTEM EXTENSIBLE BY USERS
First Named Inventor/Applicant Name:	Danny Lange
Customer Number:	26111
Filer:	William Pierce Ladd/Leonard Adgerson
Filer Authorized By:	William Pierce Ladd
Attorney Docket Number:	2222.0300002
Receipt Date:	13-APR-2011
Filing Date:	24-NOV-2004
Time Stamp:	16:11:18
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$1810
RAM confirmation Number	2895
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)

| 1 | | 22220300002issuefee.pdf | 306798 | yes | 2 |
| | | | dcf61d890bf53e945b24af87346b3c4c5f1e d663 | | |

Multipart Description/PDF files in .zip description		
Document Description	Start	End
Miscellaneous Incoming Letter	1	1
Issue Fee Payment (PTO-85B)	2	2

Warnings:

Information:

2	Fee Worksheet (PTO-875)	fee-info.pdf	31779	no	2
			bafb99bb63699b9da17919d9bef8371bd53 57745		

Warnings:

Information:

	Total Files Size (in bytes):	338577

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.

MICHAEL D. SPECHT
DIRECTOR
(202) 772-8756
MSPECHT@SKGF.COM

Sterne Kessler
Goldstein Fox
ATTORNEYS AT LAW

April 13, 2010

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Confirmation No. 5640
Art Unit 2442
Attn: Mail Stop Issue Fee

Re: U.S. Utility Patent Application
Application No. 10/995,159; Filing or 371(c) Date: November 24, 2004
For: **Network System Extensible By Users**
Inventors: LANGE *et al.*
Our Ref: 2222.0300002

Sir:

In response to the **Notice of Allowance and Fee(s) Due** dated February 2, 2011, the following documents are transmitted for appropriate action by the U.S. Patent and Trademark Office:

1. Issue Fee Transmittal (Form PTOL-85); and

2. Online Credit Card Payment Authorization for $1,810.00 to cover:
$1,510.00 - Issue Fee; and
$300.00 - Publication fee.

The above-listed documents are filed electronically through EFS-Web.

Fee payment is provided through online credit card payment. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Michael D. Specht
Attorney for Applicants
Registration No. 54,463

MDS/WPL/la
Enclosure(s)

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.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/995,159	05/24/2011	7949752	2222.0300002	5640

26111   7590   05/04/2011

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

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

The Patent Term Adjustment is 1390 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

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

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

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site http://pair.uspto.gov for additional applicants):

Danny Lange, Cupertino, CA;
Barbara Nelson, San Mateo, CA;
Jing Su, Cupertino, CA;
James E. White, San Carlos, CA;

IR103 (Rev. 10/09)

PTO/SB/44 (09-07)
Approved for use through 08/31/2010. OMB 0651-0033
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO.   : 7,949,752 B2

APPLICATION NO.: 10/995,159

ISSUE DATE   : May 24, 2011

INVENTOR(S)   : Lange et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Page 2, item (56), under "Other Publications", in Column 2, Line 18, delete "Compution" and insert - - Computing - -.

Page 2, item (56), under "Other Publications", in Column 2, Line 50, delete "Transctions" and insert - - Transactions - -.

Page 3, item (56), under "Other Publications", in Column 1, Lines 19-20, delete "implimentation" and insert - - implementation - -.

Page 3, item (56), under "Other Publications", in Column 1, Line 41, delete "htmll" and insert - - html - -.

Page 3, item (56), under "Other Publications", in Column 2, Line 5, delete "Telphony," and insert - - Telephony, - -.

Page 3, item (56), under "Other Publications", in Column 2, Line 30, delete "REtrieved" and insert - - Retrieved - -.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

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Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal

Application Number:	10995159
Filing Date:	24-Nov-2004
Title of Invention:	NETWORK SYSTEM EXTENSIBLE BY USERS
First Named Inventor/Applicant Name:	Danny Lange
Filer:	Blayne Donnis Green/Kevin Wyllie
Attorney Docket Number:	2222.0300002

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:				
Certificate of correction	1811	1	100	100
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
			Total in USD ($)	**100**

Electronic Acknowledgement Receipt

EFS ID:	10530500
Application Number:	10995159
International Application Number:	
Confirmation Number:	5640
Title of Invention:	NETWORK SYSTEM EXTENSIBLE BY USERS
First Named Inventor/Applicant Name:	Danny Lange
Customer Number:	26111
Filer:	Blayne Donnis Green/Kevin Wyllie
Filer Authorized By:	Blayne Donnis Green
Attorney Docket Number:	2222.0300002
Receipt Date:	15-JUL-2011
Filing Date:	24-NOV-2004
Time Stamp:	14:55:19
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$100
RAM confirmation Number	1193
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)

1	Request for Certificate of Correction	CoC_7949752.pdf	81877 ——————————— 1a7931d7c4250325d3c937b413a12bea0df 24368	no	2

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	29909 ——————————— cd31735a752c5eb9ac3aed4f78f37d999667 7e3f	no	2

Warnings:

Information:

	Total Files Size (in bytes):	111786

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.

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New International Application Filed with the USPTO as a Receiving Office
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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 7,949,752 B2   Page 1 of 1
APPLICATION NO.   : 10/995159
DATED   : May 24, 2011
INVENTOR(S)   : Lange et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Page 2, item (56), under "Other Publications", in Column 2, Line 18, delete "Compution" and insert -- Computing --.

Page 2, item (56), under "Other Publications", in Column 2, Line 50, delete "Transctions" and insert -- Transactions --.
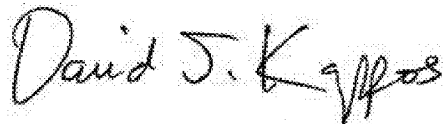
Page 3, item (56), under "Other Publications", in Column 1, Lines 19-20, delete "implimentation" and insert -- implementation --.

Page 3, item (56), under "Other Publications", in Column 1, Line 41, delete "htmll" and insert -- html --.

Page 3, item (56), under "Other Publications", in Column 2, Line 5, delete "Telphony," and insert -- Telephony, --.

Page 3, item (56), under "Other Publications", in Column 2, Line 30, delete "REtrieved" and insert -- Retrieved --.

Signed and Sealed this
Sixteenth Day of August, 2011

David J. Kappos
Director of the United States Patent and Trademark Office

TO:	Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been
filed in the U.S. District Court _____Eastern District of Texas, Tyler Division_____ on the following

☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO. 6:15-cv-660	DATE FILED 7/8/2015	U.S. DISTRICT COURT Eastern District of Texas, Tyler Division
PLAINTIFF Intellectual Ventures I LLC and Intellectual Ventures II LLC		DEFENDANT HCC Insurance Holdings, Inc. et al

PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 6,516,442 B1	2/4/2003	Intellectual Ventures II LLC
2 7,516,177 B2	4/7/2009	Intellectual Ventures II LLC
3 7,757,298 B2	7/13/2010	Intellectual Ventures I LLC
4 7,949,752 B2	5/24/2011	Intellectual Ventures I LLC
5		

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1		
2		
3		
4		
5		

In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT
All claims asserted by plaintiffs against defendants are hereby dismissed without prejudice.

CLERK David A. O'Toole	(BY) DEPUTY CLERK Gleith S Green	DATE 1/17/19

Copy 1—Upon initiation of action, mail this copy to Director   Copy 3—Upon termination of action, mail this copy to Director
Copy 2—Upon filing document adding patent(s), mail this copy to Director   Copy 4—Case file copy

AO 120 (Rev. 08/10)

TO:	**Mail Stop 8** **Director of the U.S. Patent and Trademark Office** **P.O. Box 1450** **Alexandria, VA 22313-1450**	**REPORT ON THE** **FILING OR DETERMINATION OF AN** **ACTION REGARDING A PATENT OR** **TRADEMARK**

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been
filed in the U.S. District Court _____Western District of Texas - Waco Division_____ on the following

☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO. 6:19-cv-00449	DATE FILED 7/31/2019	U.S. DISTRICT COURT Western District of Texas - Waco Division
PLAINTIFF Intellectual Ventures I LLC, et al		DEFENDANT VMware, Inc.

PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 SEE ATTACHED		
2 7,949,752		
3 RE44,686	.	
4 RE42,726		
5 RE43,051		

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading			
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK		
1 RE44,818				
2				
3				
4				
5				

In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK Jeannette J. Clack	(BY) DEPUTY CLERK	DATE 7/31/2019

Copy 1—Upon initiation of action, mail this copy to Director   Copy 3—Upon termination of action, mail this copy to Director
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