

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
2 October 2008 (02.10.2008)

PCT

(10) International Publication Number  
WO 2008/118690 A3

- (51) International Patent Classification:  
G01S 5/00 (2006.01) H04L 29/06 (2006.01)  
H04M 3/42 (2006.01)
- (21) International Application Number:  
PCT/US2008/057350
- (22) International Filing Date: 18 March 2008 (18.03.2008)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
11/728,124 23 March 2007 (23.03.2007) US
- (71) Applicant (for all designated States except US): AT & T Intellectual Property I, L.P. [US/US]; 645 E. Plumb Lane, Reno, Nevada 89502 (US).

Sundesert Circle, St. Louis, Missouri 63129 (US). JENNINGS, Phillip [US/US]; 2020 N. Lincoln Park West 2F, Chicago, Illinois 60614 (US).

- (74) Agent: STEFFEY, Charles E.; Schwegman, Lundberg & Woessner, P.A., P.O. Box 2938, Minneapolis, Minnesota 55402 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

- (72) Inventors; and
- (75) Inventors/Applicants (for US only): VAN WYK, Ryan [GB/US]; 5330 Pershing Ave., Unit 402, St. Louis, Missouri 63112 (US). STEINBRUECK, Scott [US/US]; 5728

- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR LOCATION-BASED COMMUNICATION

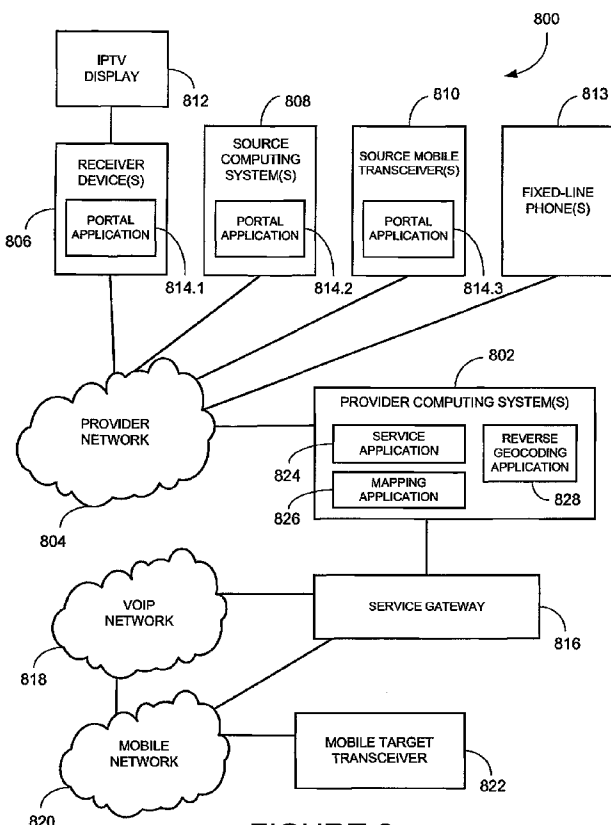


FIGURE 8

(57) Abstract: A method and system for location-based communication. A selection of a source transceiver from a plurality of available transceivers associated with a source may be received. A telephony session may be initiated with the selected source transceiver. A mobile target transceiver may be geographically located. A result of the geographic location regarding the located mobile target transceiver may be provided. The located mobile target transceiver may be connected to the telephony session.

WO 2008/118690 A3



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL,  
NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG,  
CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments*

**Published:**

— *with international search report*

**(88) Date of publication of the international search report:**

9 April 2009

**INTERNATIONAL SEARCH REPORT**

International application No  
PCT/US2008/057350

**A. CLASSIFICATION OF SUBJECT MATTER**  
 INV. G01S5/00 H04M3/42  
 ADD. H04L29/06

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 H04L G01S H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
 EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/008992 A (NETWORKS IN MOTION INC [US]) 30 January 2003 (2003-01-30) page 6, line 11 - line 29 page 11, line 28 - page 13, line 24 -----	1-26, 34-38
X	US 7 127 488 B1 (SCOTT DAVID [US] ET AL) 24 October 2006 (2006-10-24) column 8, line 36 - column 9, line 44 -----	1-26, 34-38
X	US 2006/223518 A1 (HANEY RICHARD D [US]) 5 October 2006 (2006-10-05) paragraphs [0103] - [0111] -----	1-26, 34-38
X	WO 03/039172 A (TELIA AB [SE]; GROTH HENRIK [SE]; CARLSSON PETER [SE]) 8 May 2003 (2003-05-08) the whole document -----	1-26, 34-38
	----- -/--	

Further documents are listed in the continuation of Box C.       See patent family annex.

\* Special categories of cited documents :

*A* document defining the general state of the art which is not considered to be of particular relevance	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
*E* earlier document but published on or after the international filing date	*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
*O* document referring to an oral disclosure, use, exhibition or other means	* & * document member of the same patent family
*P* document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search  <b>6 February 2009</b>	Date of mailing of the international search report  <b>13/02/2009</b>
---	---

Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer  <b>Megalou-Nash, M</b>
--	--

## INTERNATIONAL SEARCH REPORT

 International application No  
 PCT/US2008/057350

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 603 973 B1 (FOLADARE MARK JEFFREY [US] ET AL) 5 August 2003 (2003-08-05) the whole document -----	1-26, 34-38
A	US 6 766 174 B1 (KENYON JEFFREY D [US]) 20 July 2004 (2004-07-20) the whole document -----	1-26, 34-38
A	US 5 043 736 A (DARNELL RALPH D [US] ET AL DARNELL RALPH D [US] ET AL) 27 August 1991 (1991-08-27) the whole document -----	1-26, 34-38
X	US 2003/027569 A1 (EJZAK RICHARD PAUL [US]) 6 February 2003 (2003-02-06) paragraphs [0024], [0044], [0065], [0106], [0107], [0117] -----	27-33
A	GB 2 428 942 A (UBIQUISYS LTD [GB]) 7 February 2007 (2007-02-07) page 14, line 4 - line 10; figure 1 -----	27, 30, 32
A	US 2007/058569 A1 (MCMENAMIN MARIE [US] ET AL) 15 March 2007 (2007-03-15) paragraphs [0034], [0041], [0043], [0048], [0073]; figures 1-3 -----	27-33
A	WO 03/032504 A (BELLSOUTH INTELLECT PTY CORP [US]; HILL GEORGE E [US]) 17 April 2003 (2003-04-17) -----	
A	EP 1 204 275 A (NORTEL NETWORKS LTD [CA]) 8 May 2002 (2002-05-08) -----	

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US2008/057350

## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1.  As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-26,34-38

Method and apparatus for setting up a call by receiving a selection of a source transceiver from a plurality of available transceivers associated with a source; initiating a telephony session with the selected source transceiver; geographically locating a mobile target transceiver; providing a result of the geographic location regarding the located mobile target transceiver; and connecting the located mobile target transceiver to the telephony session.

---

2. claims: 27-33

Method and apparatus for a telephony session by receiving a communication request for a telephony session from a receiver device over a network, the receiver device connected to an interactive television display; processing the communication request through an IP multimedia subsystem (IMS) to determine how the communication request relates to a telephony session; and connecting at least one transceiver to the telephony session in response to processing the communication request by the IMS.

---

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2008/057350

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03008992	A	30-01-2003	AU 2002320609 B2	04-09-2008
			BR 0211221 A	08-09-2004
			CA 2454051 A1	30-01-2003
			EP 1419400 A2	19-05-2004
			US 2003016804 A1	23-01-2003
			US 2008170679 A1	17-07-2008
			US 2008188246 A1	07-08-2008
US 7127488	B1	24-10-2006	US 2006245420 A1	02-11-2006
US 2006223518	A1	05-10-2006	CA 2604321 A1	12-10-2006
			JP 2008538464 T	23-10-2008
			US 2008227473 A1	18-09-2008
			WO 2006108071 A2	12-10-2006
WO 03039172	A	08-05-2003	SE 0103651 A	03-05-2003
US 6603973	B1	05-08-2003	CA 2172564 A1	29-10-1996
US 6766174	B1	20-07-2004	NONE	
US 5043736	A	27-08-1991	AU 645114 B2	06-01-1994
			AU 8267791 A	25-02-1993
			CA 2049818 A1	27-02-1993
			EP 0528090 A1	24-02-1993
			JP 6186318 A	08-07-1994
US 2003027569	A1	06-02-2003	NONE	
GB 2428942	A	07-02-2007	CN 101278590 A	01-10-2008
			CN 101278575 A	01-10-2008
			CN 101278576 A	01-10-2008
			CN 101278586 A	01-10-2008
			CN 101278577 A	01-10-2008
			EP 1911310 A2	16-04-2008
			GB 2428937 A	07-02-2007
			GB 2430120 A	14-03-2007
			GB 2430121 A	14-03-2007
			GB 2430839 A	04-04-2007
			GB 2432082 A	09-05-2007
			GB 2449531 A	26-11-2008
			GB 2447365 A	10-09-2008
			WO 2007015066 A2	08-02-2007
			US 2008304439 A1	11-12-2008
			US 2008102794 A1	01-05-2008
			US 2009017864 A1	15-01-2009
US 2008254833 A1	16-10-2008			
US 2007058569	A1	15-03-2007	NONE	
WO 03032504	A	17-04-2003	AU 2002332114 A1	22-04-2003
EP 1204275	A	08-05-2002	NONE	