

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
8 January 2009 (08.01.2009)

PCT

(10) International Publication Number
WO 2009/006196 A3

(51) International Patent Classification:
H04W 36/08 (2009.01)

(21) International Application Number:

PCT/US2008/068329

(22) International Filing Date: 26 June 2008 (26.06.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

1432/DEL/2007

5 July 2007 (05.07.2007) IN

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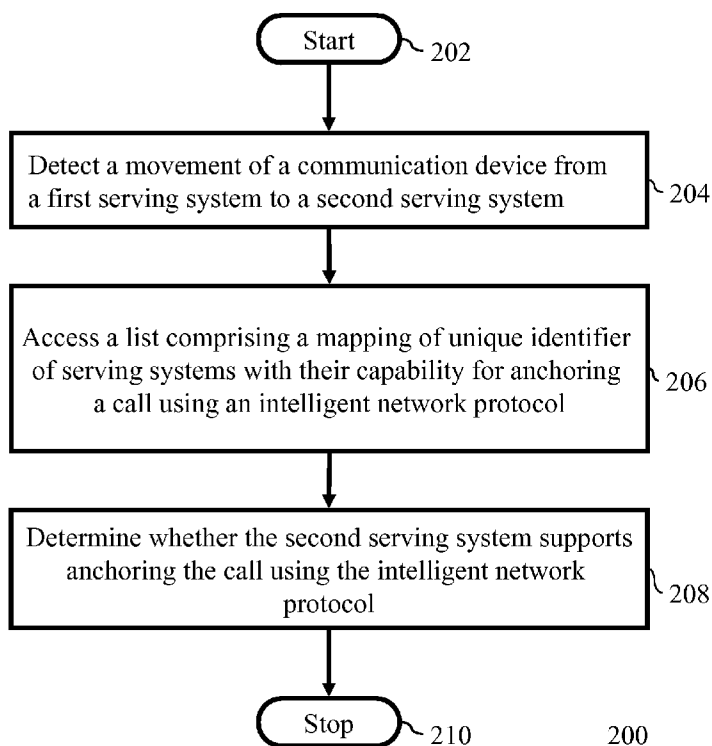
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, 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.

(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, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR DETERMINING CAPABILITY OF A SERVING SYSTEM FOR ANCHORING A CALL USING AN INTELLIGENT NETWORK PROTOCOL



(57) Abstract: A method (200) for determining capability of a serving system for anchoring a call using an intelligent network protocol is provided. A communication network (100) includes a plurality of serving systems. Each serving system of the plurality of serving systems is associated with a unique identifier (ID). The method at a communication device (124) includes detecting (204) a movement of the communication device from a first serving system (102) to a second serving system (104) based on the unique ID of the first serving system and the unique ID of the second serving system. Further, the method includes accessing (206) a list that includes a mapping of the unique ID of each serving system with the intelligent network protocol capability of the serving system. Furthermore, the method includes determining (208), based on the list, whether the second serving system supports the intelligent network protocol for anchoring a call.

FIG. 2



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:

19 February 2009

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2008/068329**A. CLASSIFICATION OF SUBJECT MATTER****H04W 36/08(2008.10)i**

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)

IPC 9 H04W

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

Korean Utility models and applications for Utility models since 1975

Japanese Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKIPASS(KIPO internal)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2007 0117573 A1 (JOSEPH P. KENNEDY JR et al.) 24 May 2007 See abstract & Fig. 3	1-13
A	US 2007 0100981 A1 (MARIA ADAMCZYK et al.) 3 May 2007 See bastract	1-13
A	US 6 633 555 B1 (LISAN LIN et al.) 14 October 2003 See Column 5, Line 20 - Column 8, Line 27 & Fig. 1	1-13
A	US 6 466 790 B2 (SERGE HAUMONT et al.) 15 October 2002 See abstract & Fig. 6A-6B	1-13

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

* Special categories of cited documents:

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Date of the actual completion of the international search

30 DECEMBER 2008 (30.12.2008)

Date of mailing of the international search report

30 DECEMBER 2008 (30.12.2008)

Name and mailing address of the ISA/KR

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2008/068329

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2007 0117573 A1	24.05.2007	None	None
US 2007 0100981 A1	03.05.2007	None	None
US 6633555 B1	14.10.2003	None	None
US 6466790 B2	15.10.2002	AU 2000-22959 A1 EP 1145584 A2 FI 108104 B1 FI 990072 D0 FI 990072 A US 2002-032032 A1 WO 00-42779 A2	01.08.2000 17.10.2001 15.11.2001 15.01.1999 16.07.2000 14.03.2002 20.07.2000