

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
28 March 2002 (28.03.2002)

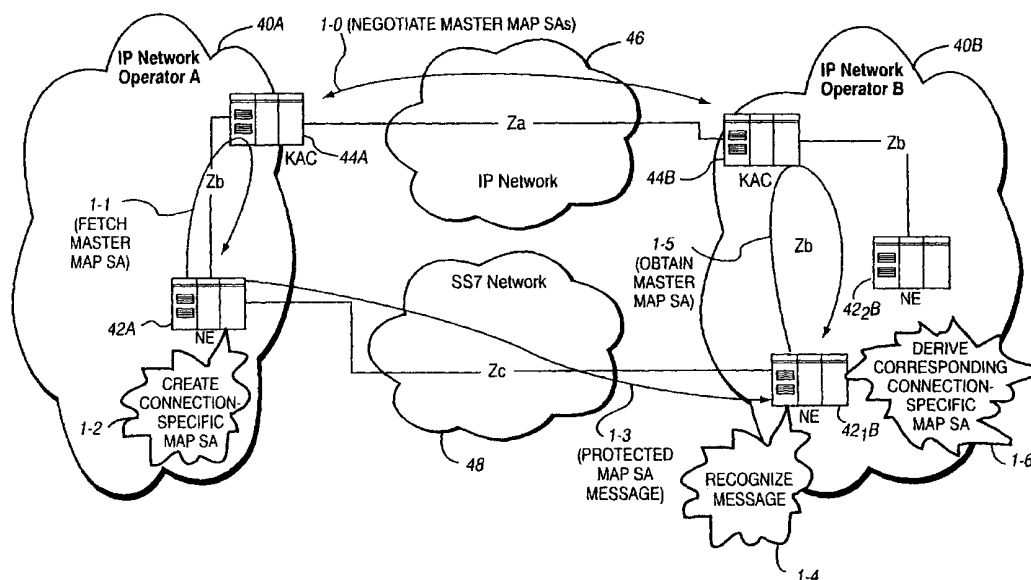
PCT

(10) International Publication Number
WO 02/25962 A3

- (51) International Patent Classification⁷: **H04Q 7/38, 7/24** (74) Agent: **MAGNUSSON, Monica**; Ericsson Radio Systems AB, Patent Unit Radio Access, S-164 80 Stockholm (SE).
- (21) International Application Number: PCT/SE01/01961
- (22) International Filing Date:
11 September 2001 (11.09.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/231,581 11 September 2000 (11.09.2000) US
Not furnished 11 September 2001 (11.09.2001) US
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- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: SECURED MAP MESSAGES FOR TELECOMMUNICATIONS NETWORKS



(57) Abstract: An encrypted/authenticated mobile application part (MAP) protocol message is sent between a first network element (42A) of a first telecommunication network (40A) and a second network element (42B) of a second telecommunications network (40B). The first network element uses a master security association to derive a connection-specific security association, and includes in the encrypted/authenticated MAP message a parameter obtained from the connection-specific security association. Upon receipt at the second network element, the master security association is used to derive a connection-specific security association for use by the second network element. The second network element uses the connection-specific security association to decrypt/decode the MAP message.



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

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

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

13 June 2002

INTERNATIONAL SEARCH REPORT

International Application No

PCT/SE 01/01961

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04Q7/38 H04Q7/24

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 7 H04Q H04L

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, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DATABASE INSPEC THE INSTITUTION OF ELECTRICAL ENGINEERS, STEVENAGE, GB; YI CHENG: "Reuse of security associations for improving handover performance." retrieved from INSPEC, accession no. 6894144 XP002902386 & IEEE PROCEEDINGS OF PIMRC'99: 10TH INTERNATIONAL SYMPOSIUM ON PERSONAL AND INDOOR MOBILE RADIO COMMUNICATIONS, vol. 2, 12 - 15 September 1999, pages 841-844, OSAKA JAPAN abstract</p> <p style="text-align: center;">---</p> <p style="text-align: center;">-/--</p>	1-34

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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"&" document member of the same patent family

Date of the actual completion of the international search

27 March 2002

Date of mailing of the international search report

22 04 2002

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/SE 01/01961

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02 07404 A (MOTOROLA INC) 24 January 2002 (2002-01-24) page 6, line 2 -page 7, line 5 page 8, line 1 -page 11, line 16 abstract ---	1-34
P,X	3GPP TS 33.200 V4.0.0 (2001-06), 3RD GENERATION PARTNERSHIP PROJECT; TECHNICAL SPECIFICATION GROUP SERVICES AND SYSTEM ASPECTS; 3G SECURITY; NETWORK DOMAIN SECURITY; MAP APPLICATION LAYER SECURITY;(RELEASE 4); SECTION 4-6 , ANNEX A1, XP002902387 the whole document ---	1-34
A	IETF, NETWORK WORKING GROUP, REQUEST FOR COMMENTS: 2401, [Online] November 1998 (1998-11), XP002902388 Retrieved from the Internet: <URL:http://www.ietf.org/rfc/rfc2401.txt?n umber=2401> [retrieved on 2002-03-18] section 3-5 the whole document ---	1-34
A	US 5 864 667 A (BARKAN MORDHAY) 26 January 1999 (1999-01-26) abstract ---	1-34
P,A	US 2001/009025 A1 (AHONEN P M K) 19 July 2001 (2001-07-19) section (0004)- (0028) abstract ---	1-34
E	WO 01 91413 A (ERICSSON TELEFON AB L M) 29 November 2001 (2001-11-29) abstract -----	1-34

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/SE 01/01961

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