

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 September 2004 (16.09.2004)

PCT

(10) International Publication Number
WO 2004/079493 A3

(51) International Patent Classification⁷: **H04Q 7/22**

02139 (US). **PAVEL, Dana** [RO/US]; 225 Walden Street #6D, 02140 Cambridge (US).

(21) International Application Number:

PCT/IB2004/000590

(74) Agent: **RUUSKANEN, Juha-Pekka**,; Page White & Far-
rer, 54 Doughty Street, London WC1N 2LS (GB).

(22) International Filing Date: 1 March 2004 (01.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/450,701

3 March 2003 (03.03.2003) US

(71) Applicant (for all designated States except US): **NOKIA CORPORATION** [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, 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, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

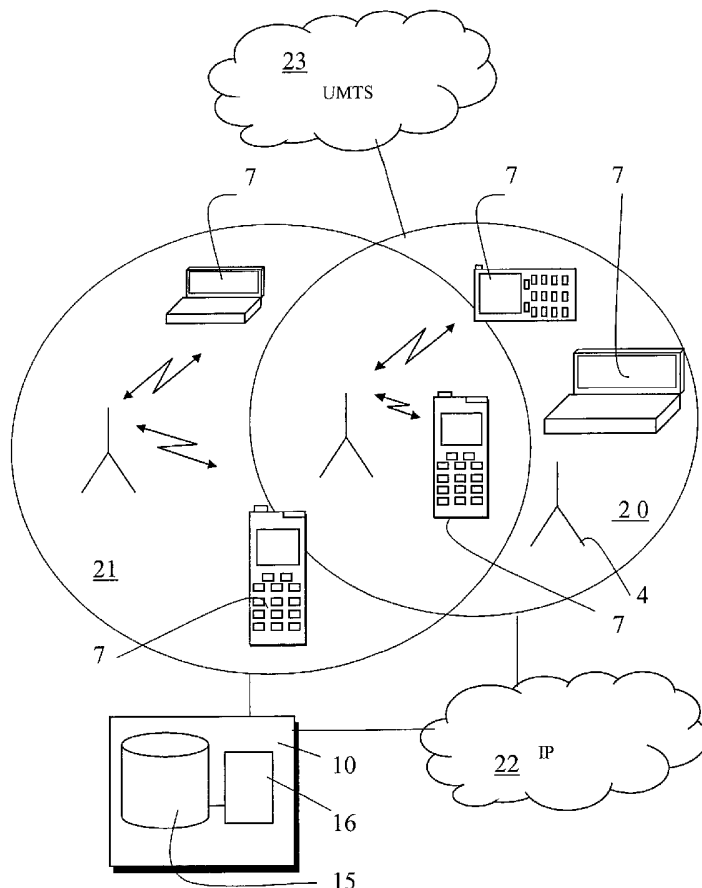
(72) Inventors; and

(75) Inventors/Applicants (for US only): **TROSSEN, Dirk** [US/US]; 515 Putnam Avenue, Unit 5, Cambridge, MA

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

[Continued on next page]

(54) Title: LOCATION DEPENDENT SERVICES



(57) Abstract: A service provider entity is provided that comprises a communication interface for communication with user equipment and for receiving location information from a plurality of different communication systems. The service provider entity comprises further a processor for processing the received location information for determining the location of a user equipment subscribing to the service provider entity and for providing services for the subscribing user equipment based on the determined location of the user equipment. In accordance with a further aspect a service is provided for the user in accordance with a registration if a check indicates that at least one condition that triggers providing of the service and registered at the service providing entity is satisfied.



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, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report:
16 December 2004


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.

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

INTERNATIONAL SEARCH REPORT

International Application No

 /IB2004/000590

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04Q7/22

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

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	EP 1 164 804 A (HEWLETT PACKARD CO) 19 December 2001 (2001-12-19) abstract paragraphs '0016!, '0018!, '0031!, '0032! paragraphs '0027!, '0041!, '0075!	1,18,30
A	-----	10
A	EP 1 130 933 A (NOKIA CORP) 5 September 2001 (2001-09-05) abstract paragraphs '0016!, '0018! -----	1-30

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *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)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *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
- *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
- *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.
- *G* document member of the same patent family

Date of the actual completion of the international search

22 September 2004

Date of mailing of the international search report

06/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Dionisi, M

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

W/T/IB2004/000590

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1164804	A	19-12-2001	DE 60100658 D1 02-10-2003
			DE 60100658 T2 24-06-2004
			DE 60102068 D1 25-03-2004
			DE 60102068 T2 05-08-2004
			EP 1164804 A1 19-12-2001
			EP 1233632 A1 21-08-2002
			EP 1239685 A1 11-09-2002
			US 2002028671 A1 07-03-2002
EP 1130933	A	05-09-2001	FI 20000461 A 29-08-2001
			EP 1130933 A1 05-09-2001
			US 2001018349 A1 30-08-2001