

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
4 April 2002 (04.04.2002)

PCT

(10) International Publication Number
WO 02/028125 A3

(51) International Patent Classification⁷: H04Q 7/22,
G06F 17/60

[US/US]; 103 Mixedwood Court, Cary, NC 27511 (US).
LOHR, Jonathan [US/US]; 5928 Swales Way, Raleigh,
NC 27606 (US).

(21) International Application Number: PCT/US01/42108

(74) Agent: GLATZ, Robert, W.; Myers Bigel Sibley Sajovec,
P.A., P.O. Box 37428, Raleigh, NC 27627 (US).

(22) International Filing Date:
10 September 2001 (10.09.2001)

(25) Filing Language: English

(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, US, UZ, VN, YU,
ZA, ZW.

(26) Publication Language: English

(30) Priority Data:
09/677,550 29 September 2000 (29.09.2000) US

(71) Applicant (for all designated States except US): TELE-
FONAKTIEBOLAGET L.M. ERICSSON (Publ)
[SE/SE]; S-164 80 Stockholm (SE).

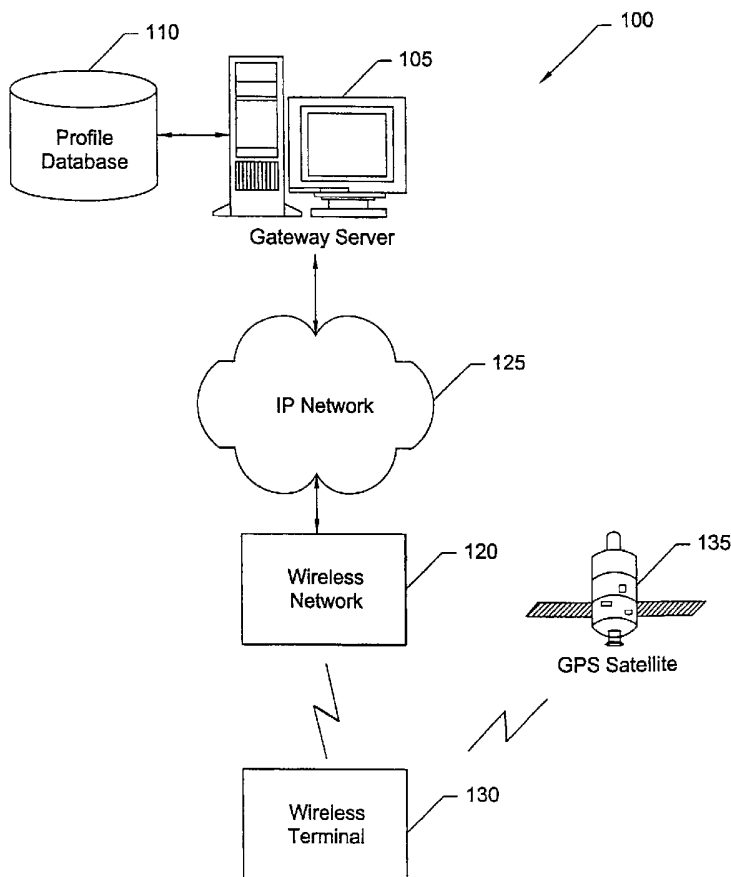
(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,

(72) Inventors; and

(75) Inventors/Applicants (for US only): DUNKO, Greg

[Continued on next page]

(54) Title: METHOD, SYSTEM AND COMPUTER PROGRAM FOR IDENTIFYING A COMPATIBLE INDIVIDUAL IN A GEOGRAPHIC AREA



(57) Abstract: Embodiments of the present invention include methods, systems and computer program products for identifying a compatible individual in a specified region. The identifying operations in various embodiments are performed by a server located remote from the specified region. A registration request is received at the server from a mobile device. The registration request includes a profile identifier associated with a user of the mobile device and further includes location information identifying a location in the specified region. A profile associated with the profile identifier is obtained by the server which also determines if a compatible individual is located within the specified region based on the profile and location information. The user of the mobile device is notified if a compatible individual is located. Other embodiments utilize location information generated automatically by the mobile device, for example, using a Global Positioning System (GPS) receiver or a land based automated positioning system. Further embodiments include a profile identifier which is unique to a profile, rather than an individual user, so that profile changes for an individual user may be identified by a change in the profile identifier associated with the individual user's profile information.



WO 02/028125 A3



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).

(88) Date of publication of the international search report:
16 January 2003

Published:

— with international search report

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.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 01/42108

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04Q7/22 G06F17/60		
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 G06F 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, PAJ, INSPEC		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00 19344 A (GUTERMAN EYAL ;FRIEDMAN CHAIM (IL); L I M S MANAGEMENT SYSTEMS 199) 6 April 2000 (2000-04-06)	1, 4, 14, 19, 22, 23, 32, 33, 42, 44, 53
Y	page 1, line 5 - line 14	5, 7, 9, 20, 24, 26, 28, 30, 31
A	page 3, line 6 -page 4, line 21	2, 3, 10, 12, 13, 15-18, 21, 29, 34-41, 43, 45-52, 54
	page 5, line 28 -page 7, line 11 page 8, line 11 - line 23 page 10, line 5 - line 25 -/--	
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> 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. *&* document member of the same patent family		
Date of the actual completion of the international search 18 October 2002		Date of mailing of the international search report 25/10/2002
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 Heinrich, D

INTERNATIONAL SEARCH REPORT

In International Application No
PCT/US 01/42108

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p style="text-align: center;">---</p> WO 00 22860 A (DEGNBOL JANUS FRIIS) 20 April 2000 (2000-04-20)	5,7,9, 20,24, 26,28, 30,31 11
A	page 1, line 5 - line 13 page 1, line 29 - line 34 page 10, line 16 - line 24 page 12, line 27 - line 28 page 14, line 8 - line 11 page 16, line 18 - line 21 page 19, line 6 - line 12 page 21, line 23 - line 29	
A	<p style="text-align: center;">---</p> WO 97 41654 A (MCLORINAN ANDREW GEORGE ;TSOUKAS GEORGE JAMES (AU); ERICSSON TELEF) 6 November 1997 (1997-11-06) cited in the application page 4, line 15 -page 5, line 10	6,8,25, 27
A	<p style="text-align: center;">---</p> WO 90 13828 A (WILVERLEY MANSION I B V) 15 November 1990 (1990-11-15) cited in the application page 7, line 25 -page 8, line 8 page 8, line 30 -page 9, line 2 page 9, line 29 - line 37 page 10, line 12 - line 27 page 11, line 22 -page 12, line 17	1-54
P,X	<p style="text-align: center;">---</p> WO 00 59192 A (A R WEINER CORPORATE LTD ;SHPIRO ZEEV (IL); FRIEDMAN MARK M (IL);) 5 October 2000 (2000-10-05) page 11, line 34 -page 12, line 9 page 13, line 20 -page 14, line 29 page 15, line 22 -page 16, line 27 page 18, line 22 - line 37 page 19, line 28 - line 38 page 21, line 24 - line 34 page 25, line 25 - line 36 page 26, line 13 - line 23 page 27, line 23 -page 28, line 30	1-54

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/US 01/42108

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 0019344	A	06-04-2000	AU	5882099 A	17-04-2000
			WO	0019344 A2	06-04-2000
WO 0022860	A	20-04-2000	AU	6188299 A	01-05-2000
			WO	0022860 A1	20-04-2000
			EP	1151627 A1	07-11-2001
WO 9741654	A	06-11-1997	AU	2375097 A	19-11-1997
			WO	9741654 A1	06-11-1997
			EP	0864211 A1	16-09-1998
WO 9013828	A	15-11-1990	AU	5739190 A	29-11-1990
			JP	4507158 T	10-12-1992
			WO	9013828 A1	15-11-1990
			US	5086394 A	04-02-1992
WO 0059192	A	05-10-2000	AU	4179000 A	16-10-2000
			EP	1166539 A1	02-01-2002
			WO	0059192 A1	05-10-2000