

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
8 May 2003 (08.05.2003)

PCT

(10) International Publication Number
WO 03/038542 A3

(51) International Patent Classification⁷: H04Q 7/20, G06F 15/16, G01C 21/26, 21/28, 21/34, 21/36

(21) International Application Number: PCT/IB02/04437

(22) International Filing Date: 25 October 2002 (25.10.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 09/985,044 1 November 2001 (01.11.2001) US

(71) Applicants: NOKIA CORPORATION [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI). NOKIA INC. [US/US]; 6000 Connection Drive, Irving, TX 75039 (US).

(72) Inventors: HEINONEN, Tomi; Tähkäniitynkatu 6F, FIN-33610 Tampere (FI). LAITINEN, Timo, M.; Juhlalalonkatu 2E 69, FIN-33100 Tampere (FI).

(74) Agent: HOEL, John; Morgan & Finnegan, LLP, 345 Park Avenue, New York, NY 10154 (US).

(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, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.

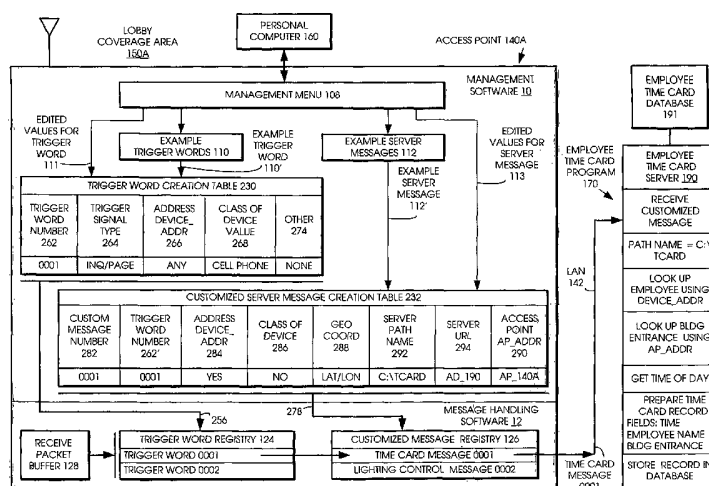
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published: with international search report

(88) Date of publication of the international search report: 2 October 2003

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.

(54) Title: CUSTOMIZED MESSAGING BETWEEN WIRELESS ACCESS POINT AND SERVICES



(57) Abstract: A method is disclosed for facilitating the preparation of customized messaging between a wireless access point (140A) and a variety of service platforms (170). The wireless access point (140A) includes a registry (124) of trigger words, each word specifying the particular events that must be detected by the access point (140A) upon receiving a packet from a mobile wireless device (100), in order to invoke the process of sending a corresponding server message (0001) to a selected server (190). The wireless access point (140A) includes management software (10) to present to the system administrator a management menu (108) of example trigger words and example server messages. The management software provides an editor (111/113) to enable the administrator to optionally customize the example trigger words and/or server messages to suit particular applications.



WO 03/038542 A3

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB02/04437

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) :H04Q 7/20; G06F 15/16; G01C 21/26, 21/28, 21/34, 21/36

US CL :455/456, 461; 709/206; 701/213, 214

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)

U.S. : 455/456, 461; 709/206; 701/213, 214

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 practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A, P	US 6,438,585 B2 (MOUSSEAU ET AL) 20 AUGUST 2002, ENTIRE DOCUMENT	1-32
A, E	US 6,493,550 B1 (RAITH) 10 DECEMBER 2002, ENTIRE DOCUMENT	1-32
A, E	US 6,510,381 B2 (GROUNDS ET AL) 21 JANUARY 2003, ENTIRE DOCUMENT	1-32

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

* Special categories of cited documents:	"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
"A" document defining the general state of the art which is not considered to be of particular relevance	"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
"E" earlier document published on or after the international filing date	"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
"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)	"&"	document member of the same patent family
"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		

Date of the actual completion of the international search

07 FEBRUARY 2003

Date of mailing of the international search report

19 JUN 2003

Name and mailing address of the ISA/US
Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

TEMICA M. DAVIS

Telephone No. (703) 306-5837