(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 14 August 2003 (14.08.2003)

PCT

(10) International Publication Number WO 2003/067855 A3

- (51) International Patent Classification7: H04Q 7/20, 7/38
- (21) International Application Number:

PCT/US2003/003742

- (22) International Filing Date: 7 February 2003 (07.02.2003)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/355,285

8 February 2002 (08.02.2002) US

- (71) Applicant (for all designated States except US): SPATIAL WIRELESS, INC. [US/US]; 1651 Glenville Drive, Suite 216, Richardson, TX 75080 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): XU, Jianming [US/US]; 4305 Vanderpool Drive, Plano, TX 75024 (US). NAIM, Ghassan [CA/US]; 5413 Naaman Forest #836, Garland, TX 75044 (US).
- (74) Agents: NAIFEH, Bill et al.; Haynes and Boone, LLP, 901 Main Street, Suite 3100, Dallas, TX 75202 (US).

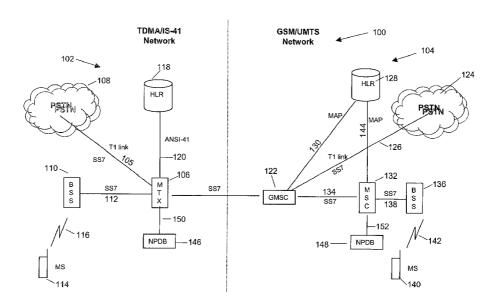
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, 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, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations 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, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS,

[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR PROVIDING MOBILE NUMBER PORTABILITY BETWEEN DIFFERENT WIRE-LESS NETWORKS OF DIFFERENT TECHNOLOGIES



(57) Abstract: An economical method and system is disclosed for supporting seamless mobile number portability between different wireless networks of different technologies (100, 102) without introducing changes to existing network entities in the wireless networks involved in the service.





WO 2003/067855 A3



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

- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations
- of inventorship (Rule 4.17(iv)) for US only

Published:

with international search report

(88) Date of publication of the international search report: 22 January 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.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/03742

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : H04Q 7/20, 7/38 US CL : 455/432.1, 432.2, 433, 435.1, 435.2, 445			
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.: 455/432.1, 432.2, 433, 435.1, 435.2, 445			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST SEARCH			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a		Relevant to claim No.
Y	US 5,978,678 A (HOUDE ET AL.) 02 NOVEMBE TO COL. 6, LINE 55.		1-11
Y	US RE37,276 E (LANTTO) 10 JULY 2001 (10.07.2001), COL. 2, LINE 6 TO COL. 10, LINE 67.		1-11
Y	US 6,198,920 B1 (DOVIAK ET AL.) 06 MARCH 2001 (06.03.2001), COLS. 4-6, 8-14.		1-11
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 inte date and not in conflict with the applic	
"A" document defining the general state of the art which is not considered to be of particular relevance		principle or deory underlying the inve	ention
"E" earlier ap	plication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be conside when the document is taken alone	claimed invention cannot be red to involve an inventive step
"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)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is	
"O" document	t referring to an oral disclosure, use, exhibition or other means	combined with one or more other such documents, such combination being obvious to a person skilled in the art	
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family	
Date of the actual completion of the international search		Date of mailing of the international search report	
19 September 2003 (19.09.2003)		Authorized officer 2003	
Name and mailing address of the ISA/US		Authorized officer / Mink	
Mail Stop PCT, Attn: ISA/US Commissioner for Patents		Authorized officer JEAN A GELIN Telephone No. (703) 305-4847	
P.O. Box 1450		₹\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
Alexandria, Viiginia 22313-1430			
Facsimile No. (703)305-3230			

Form PCT/ISA/210 (second sheet) (July 1998)