



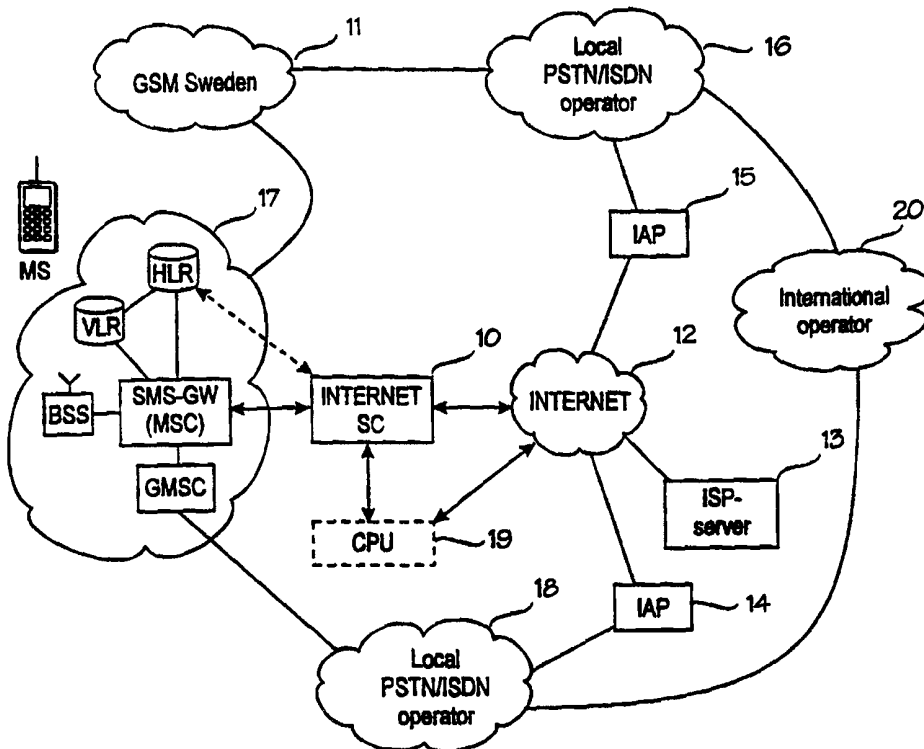
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<p>(21) International Application Number: PCT/FI98/00724 (22) International Filing Date: 15 September 1998 (15.09.98) (30) Priority Data: 973737 19 September 1997 (19.09.97) FI (71) Applicant (for all designated States except US): NOKIA TELECOMMUNICATIONS OY [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI). (72) Inventors; and (75) Inventors/Applicants (for US only): TARNANEN, Teemu [FI/FI]; Kaskipuunkaari 5 C 6, FIN-02340 Espoo (FI). MOSLEMIE, Abbas [FI/FI]; Pajalahdentie 4 A 9, FIN-00200 Helsinki (FI). (74) Agent: KOLSTER OY AB; Iso Roobertinkatu 23, P.O. Box 148, FIN-00121 Helsinki (FI).</p>	<p>(81) Designated States: AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), EE, EE (Utility model), ES, FI, FI (Utility model), GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, 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), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> (88) Date of publication of the international search report: 20 May 1999 (20.05.99)</p>	

(54) Title: UPDATING OF INTERNET ACCESS POINT SETTINGS IN A MOBILE COMMUNICATION SYSTEM

(57) Abstract

A digital mobile communication system is provided with a facility by means of which it can establish a connection to the Internet network (12) via an Internet access point (14, 15). IAP settings needed for establishing a connection are stored in a mobile station (MS). When a mobile station (MS) roams, the closest point may, however, change, and IAP settings should be updated in the mobile station (MS). The invention comprises dividing the mobile communication system into IAP areas, which are given preferred IAPs. An IAP area may be e.g. a mobile communication network (11, 17). Mobile communication networks broadcast system information on the basis of which a mobile station may detect that the IAP area has changed and start a procedure for updating IAP settings.



Updating may comprise retrieval of IAP settings from a special server (13) in the network maintained by an Internet service provider. Retrieval can be done e.g. via a short message service center (10). In one embodiment the mobile communication network broadcasts messages giving recommended IAP settings to mobile stations.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 98/00724

A. CLASSIFICATION OF SUBJECT MATTER

IPC6: H04Q 7/38, H04L 12/28

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)

IPC6: H04L, H04J, H04B, H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPIL, EDOC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5533026 A (HAMID AHMADI ET AL), 2 July 1996 (02.07.96), column 1, line 39 - line 40; column 2, line 14 - line 17; column 6, line 20 - line 65, abstract --	1-19
X	US 5095480 A (PETER R. FENNER), 10 March 1992 (10.03.92), column 1, line 59 - column 2, line 4; column 8, line 21 - line 65 --	1-19
X	EP 0696117 A2 (INTERNATIONAL BUSINESS MACHINES CORPORATION), 7 February 1996 (07.02.96), abstract --	1-19

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PCT/FI 98/00724

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0695058 A2 (INTERNATIONAL BUSINESS MACHINES CORPORATION), 31 January 1996 (31.01.96), abstract -- -----	1-19

INTERNATIONAL SEARCH REPORT
Information on patent family members

02/02/99

International application No.
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