



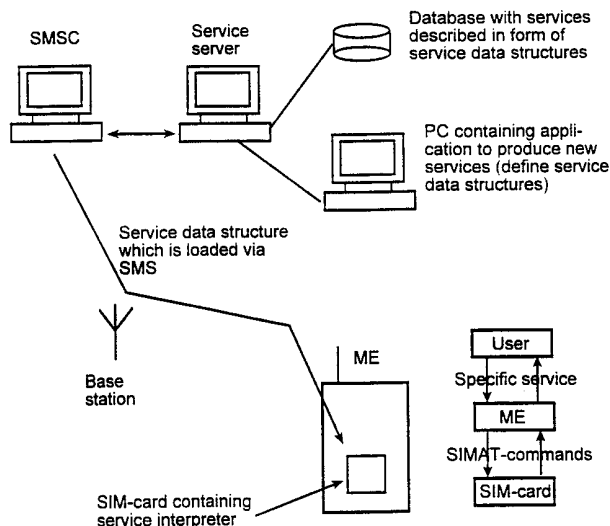
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<p>(21) International Application Number: PCT/SE99/00958 (22) International Filing Date: 2 June 1999 (02.06.99) (30) Priority Data: 9802004-3 5 June 1998 (05.06.98) SE (71) Applicant (for all designated States except US): TELIA AB (publ) [SE/SE]; Mårbackagatan 11, S-123 86 Farsta (SE). (72) Inventors; and (75) Inventors/Applicants (for US only): EMILSSON, Stellan [SE/SE]; Grån 31, S-655 94 Karlstad (SE). BLOMKVIST, Håkan [SE/SE]; Horsensgatan 39 H, S-654 59 Karlstad (SE). KÅWE, Rolf [SE/SE]; Lingonstigen 7, S-654 68 Karlstad (SE). ANDERSSON, Per [SE/SE]; Älvdalsgatan 8 A, S-652 29 Karlstad (SE). (74) Agent: PRAGSTEN, Rolf; Telia Research AB, Vitsandsgatan 9, S-123 86 Farsta (SE).</p>		<p>(81) Designated States: EE, JP, LT, LV, NO, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i> (88) Date of publication of the international search report: 27 January 2000 (27.01.00)</p>

(54) Title: DEVICE AND METHOD FOR UPDATING OF SERVICE LOGIC IN A MOBILE UNIT

(57) Abstract

The present invention relates to a device and a method at a cellular digital radio communications system including means for mobile or semi-stationary communication which utilises SIMAT-based information messages and which makes possible for a user to load a service data structure to his/her mobile unit in form of a general application to the in the mobile terminal arranged device includes means to interpret the content in said service data structure and means to process and convert said service data structure to a specific telecommunications and/or data service. The invention allows an improved and capacity efficient utilisation of the transmission qualities of the digital radio communications system.



ME: Mobile Equipment (Mobile telephone except SIM-card)
SIM-card: Subscriber Identity Module
SMSC: SMS Center
Service server: A server connected to the GSM-network which contains logic and data structures by means of which a description of a service can be loaded to the SIM-card of the mobile telephone.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 99/00958

A. CLASSIFICATION OF SUBJECT MATTER

IPC6: H04Q 7/32

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: H04Q

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

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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	EP 0562890 A1 (HUTCHISON MICROTEL LIMITED), 29 Sept 1993 (29.09.93), abstract --	1,10
A	WO 9714258 A1 (QUALCOMM INCORPORATED), 17 April 1997 (17.04.97), abstract --	1,10
P,A	EP 0869691 A2 (DEUTSCHE TELEKOM AG), 7 October 1998 (07.10.98), claim 1, abstract --	1,10
P,A	WO 9838820 A2 (TELEFONAKTIEBOLAGET LM ERICSSON), 3 Sept 1998 (03.09.98), claim 1, abstract -- -----	1,10

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Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. +46 8 666 02 86	Authorized officer Henrik Bodin/MN Telephone No. +46 8 782 25 00

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0562890 A1	29/09/93	NONE	
WO 9714258 A1	17/04/97	AU 7442696 A CA 2234558 A CN 1202298 A EP 0855125 A	30/04/97 17/04/97 16/12/98 29/07/98
EP 0869691 A2	07/10/98	DE 19713965 A	08/10/98
WO 9838820 A2	03/09/98	AU 6640398 A	18/09/98