



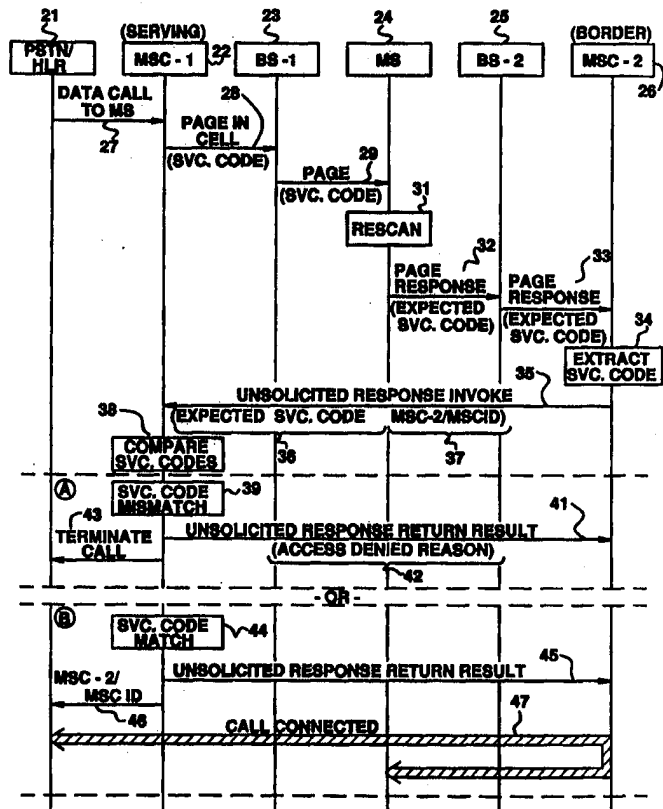
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| <p>(21) International Application Number: PCT/SE97/01836 (22) International Filing Date: 4 November 1997 (04.11.97) (30) Priority Data: 60/031,857 27 November 1996 (27.11.96) US 08/810,700 3 March 1997 (03.03.97) US (71) Applicant: TELEFONAKTIEBOLAGET LM ERICSSON (publ) [SE/SE]; S-126 25 Stockholm (SE). (72) Inventors: CORRIVEAU, Michel; 3535 Leonard, St. Hubert, Quebec J3Y 5M1 (CA). MINICHELLO, Pat; 246 de Beauharnois, Montreal, Quebec H2N 1K3 (CA). (74) Agent: TELEFONAKTIEBOLAGET LM ERICSSON (publ); Patent & Trademark Dept., S-126 25 Stockholm (SE).</p> | <p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, 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, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).</p> <p>Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p> <p>(88) Date of publication of the international search report: 20 August 1998 (20.08.98)</p> | |

(54) Title: SYSTEM AND METHOD OF PROVIDING A MOBILE STATION'S SERVICE SUPPORT INFORMATION TO A RADIO TELECOMMUNICATIONS NETWORK

(57) Abstract

A system and method of ensuring that a called mobile station's expected service type matches a calling party's service type in a radio telecommunications network in which both voice service and data service are provided. A service code generator (51) in a serving mobile switching center (MSC)(22) generates a service code that indicates the calling party's service type. The service code is sent in a page (29) from the serving MSC to the mobile station (24), and includes the service code. An expected service code generator in the called mobile station generates an expected service code that indicates the called mobile station's expected service type. The expected service code is sent in a page response (32) from the mobile station to a border MSC (26) that borders the serving MSC. The border MSC (26) extracts the expected service code and sends it to the serving MSC (22) where it is compared with the calling party's service code. If the service codes match, the call is connected to be mobile station. If the service codes do not match, the mobile station is denied access to the radio telecommunications network.



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INTERNATIONAL SEARCH REPORT

International Application No
PCT/SE 97/01836

A. CLASSIFICATION OF SUBJECT MATTER
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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 6 H04Q

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Patent family members are listed in annex.

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