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A METHOD OF RESTRUCTURING A CALL SIGNAL FRAME IN A CELLULAR MOBILE TELEPHONE SYSTEM

**ABSTRACT**

The present invention relates to a method for avoiding the use of specially allocated, temporary roaming numbers in a mobile telephone system for routing outside calls to a mobile subscriber (MS) roaming in the system.

According to the invention, an incoming standardized call signal frame (IAM) comprising a first parameter field (Called Party Address) including a directory number (MSN) is reconstructed. The directory number (MSN) in the first parameter field is replaced with the unique routing number (PRN) of the mobile telephone switching centre (MSC/GSM) within whose service area the mobile subscriber (MS) roams. A unique international mobile subscriber identity (IMSI) and the directory number (MSN) are inserted in a second parameter field (End Information Transfer, EIT). This implies a static addressing principle in which the routing address will also contain directly the number (MSN or IMSI) of the called subscriber. This facilitates restoration of certain registers (HLR, GLR) after a failure.

Figure 1 shall accompany the publication

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