Title (en)
REDUCTION OF SIGNALLING LOAD IN PACKET RADIO NETWORK

Title (de)
VERRINGERUNG DER SIGNALISIERUNGSLAST IN EINEM PAKETFUNKNETZ

Title (fr)
REDUCTION DE LA CHARGE DE SIGNALISATION D'UN RESEAU DE RADIOCOMMUNICATION PAR PAQUETS

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Application
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Abstract (en)
[origin: WO9832299A2] Method for maintaining the location of a mobile station (MS) in a packet radio network (1, 2) comprising at least two support nodes (SGSN) and at least one home location register (HLR/GR). As the mobile station (MS) logs on the packet radio network (1, 2) information on the support node (SGSN) serving the mobile station (MS) is transmitted to the home location register (HLR/GR). In the invention, at least one intermediate register (IRSN) is installed in the packet radio network (1, 2), the function of the register being to maintain information on the support node (SGSN) serving the mobile station (MS). As the mobile station (MS) roams from the area of a first support node (SGSN1) to the area of a second support node (SGSN2), the information on the change of support nodes (SGSN1, SGSN2) is stored in said intermediate register (IRSN), whereby the information need not be transmitted to the home location register (HLR/GR). In a preferred embodiment of the invention, a second intermediate register (IBSN) is also installed so as to store information on the support nodes (SGSN) serving mobile stations (MS) that are not in the area of their home networks.

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