



MOBILE TELEPHONE STORING THE NODE NUMBER OF THE RESIDENT SWITCHING NODE

Abstract

Preprogramming into a mobile telephone a node number identifying the
5 resident switching node for use in a mobile telecommunication system having
distributed switching nodes. The telecommunication switching system has a
telephone dialing plan and a switching node hierarchy. When a mobile telephone
registers on a new switching node, the resident switching node number stored in the
mobile telephone is utilized to rapidly route a request for authentication information
10 to the resident switching node by routing through the switching node hierarchy.