

A METHOD AND SYSTEM FOR UPDATING REPLICATED DATABASES
IN FOREIGN AND HOME TELECOMMUNICATION NETWORK SYSTEMS
FOR SUPPORTING GLOBAL MOBILITY OF NETWORK CUSTOMERS

ABSTRACT OF THE INVENTION

A method and system for updating a replicated database in a foreign and home telecommunication network system to improve call setup time and system availability in a foreign region for roaming customers is disclosed. Customer records are updated in a visitor database contained in a foreign region within the signaling system of foreign telecommunications network. Information concerning the updated database record is transmitted from the visitor database through the signaling network of a home country to a home database which contains the replicated version of the visitor database record in the foreign region. A field is added to the database record corresponding to a version number of the database record so as to identify the record referenced by queries of calls in progress. The home database record at the home country is changed to reflect changes in the visitor database at the foreign region by using the version number sequence while maintaining at all database sites the older version of the database record for query access until after completing the processing of all previous calls querying the database record.

Fig. 10

This Sheet Has Been Replaced

