Title (en)
USING NUMBER PORTABILITY DATABASE TO SOLVE CALL TROMBONING

Title (de)
VERWENDUNG EINER DATENBANK FÜR PORTIERTE TELEFONNUMMERN ZUR VERMEIDUNG VON GESPRÄCHSUMWEGLENKUNG

Title (fr)
UTILISATION D'UNE BASE DE DONNEES D'INTERCHANGEABILITE DES NUMEROS POUR RESOUDRE LE PROBLEME DES APPELS EN TROMBONE

Publication
EP 0925705 A1 19990630 (EN)

Application
EP 97941664 A 19970915

Priority
• US 9716479 W 19970915
• US 71034596 A 19960916

Abstract (en)
[origin: WO9811754A1] A roaming mobile station (30) travels into a new mobile switching center (MSC) (40) coverage area and performs a location update (250) with a home location register (HLR) (90) associated with the mobile station. An application module (240) within the HLR determines that the mobile station is located outside of the home Public Land Mobile Network (PLMN) (310) and updates (270) a serving number portability database (NP-DB) (140) to reflect that the mobile station has been ported to the new PLMN. All incoming calls cause a querying (160) of the NP-DB to identify the new PLMN for the mobile station. In accordance with the retrieved network address (165), the calls are accordingly routed (270) to the new PLMN directly without establishing a call connection to the home PLMN. Whenever the mobile station travels back into the home PLMN, the HLR again updates (320) the NP-DB to remove the previously stored data indicating that the mobile station has been ported.

IPC 1-7
H04Q 7/38; H04Q 7/22

IPC 8 full level
H04Q 3/00 (2006.01); **H04Q 7/38** (2006.01); **H04W 8/28** (2009.01)

CPC (source: EP)
H04Q 3/005 (2013.01); **H04W 8/28** (2013.01)

Citation (search report)
See references of WO 9811754A1

Cited by
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DE FI FR GB IT

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WO 9811754 A1 19980319; AU 4352397 A 19980402; AU 731960 B2 20010405; CN 1238112 A 19991208; EP 0925705 A1 19990630

DOCDB simple family (application)
US 9716479 W 19970915; AU 4352397 A 19970915; CN 97199717 A 19970915; EP 97941664 A 19970915