

Title (en)
INBOUND TRAFFIC REDIRECTION SYSTEM

Title (de)
UMLENKUNGSSYSTEM FÜR ANKOMMENDEN VERKEHR

Title (fr)
SYSTEME PERMETTANT DE REDIRIGER LE TRAFIC ENTRANT

Publication
EP 1974555 A4 20090805 (EN)

Application
EP 06758312 A 20060412

Priority
• US 2006013686 W 20060412
• US 67091405 P 20050412

Abstract (en)
[origin: WO2006110833A2] A system for controlling traffic of an inbound roaming mobile station between a first Visiting Public Mobile Network (VPMN), a second VPMN and a Home Public Mobile Network (HPMN) is provided. The system includes a detection unit for detecting a possible change in registration of the inbound roaming mobile station at a second VPMN upon receipt of a first registration cancellation message of one or more registration cancellation messages at the first VPMN from the HPMN. The system further includes redirection unit for attempting to redirect the traffic of the inbound roaming mobile station back to the first VPMN by sending one or more registration messages from the first VPMN to the HPMN subsequent to receipt of one or more registration cancellation messages from the HPMN. For each registration cancellation message received, one or more registration messages are sent within a first pre-defined interval of time (T0) until one registration message is recorded as a successful transaction. Further for all registration cancellation messages received in current attempt to redirect the inbound roaming mobile station to the first VPMN, all the registration messages are sent either within a second pre-defined interval of time (T1) and/or a re-registration threshold number of times.

IPC 8 full level
H04W 8/12 (2009.01)

CPC (source: EP)
H04W 8/06 (2013.01); **H04W 8/12** (2013.01)

Citation (search report)
• [DA] WO 2004014101 A2 20040212 - ROAMWARE INC [US]
• [A] US 6058309 A 20000502 - HUANG CHENHONG [US], et al
• [A] EP 1463366 A2 20040929 - STAR HOME GMBH [CH]
• [A] WO 02069660 A1 20020906 - ERICSSON TELEFON AB L M [SE], et al
• [PX] WO 2006030443 A1 20060323 - STARHOME GMBH [CH], et al
• [EL] WO 2006099388 A2 20060921 - ROAMWARE INC [US], et al
• See references of WO 2006110833A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006110833 A2 20061019; WO 2006110833 A3 20070222; CN 101204102 A 20080618; CN 101204102 B 20110727;
EP 1974555 A2 20081001; EP 1974555 A4 20090805; IL 186645 A0 20090211; ZA 200709713 B 20090527

DOCDB simple family (application)
US 2006013686 W 20060412; CN 200680020824 A 20060412; EP 06758312 A 20060412; IL 18664507 A 20071014; ZA 200709713 A 20071112