Title (en)

INTERNETWORKING FOR CIRCUIT SWITCHED FALLBACK-NETWORK INITIATED USSD REQUEST/NOTIFICATION PROCEDURE MOBILE-TERMINATED LOCATION REQUEST PROCEDURE PROVIDE SUBSCRIBER INFORMATION PROCEDURE

Title (de)

VERNETZUNG FÜR LEITUNGSVERMITTELTEN FALLBACK- NETZWERKINITIIERTES USSD-ANFRAGE-/MELDEVERFAHREN, PER MOBILFUNK ABGESCHLOSSENES ORTSANFRAGEVERFAHREN, VERFAHREN ZUR BEREITSTELLUNG VON TEILNEHMERINFORMATIONEN

Title (fr)

INTERCONNEXION DE RÉSEAUX POUR REPLI SUR COMMUTATION DE CIRCUITS, PROCÉDÉ DE REQUÊTE/NOTIFICATION USSD À L'INITIATIVE DU RÉSEAU, PROCÉDÉ DE REQUÊTE DE LOCALISATION À DESTINATION D'UN MOBILE ET PROCÉDÉ DE FOURNITURE D'INFORMATIONS D'ABONNÉ

Publication

EP 2856792 A4 20151223 (EN)

Application

EP 12877142 A 20120815

Priority

- US 2012039641 W 20120525
- IN 2412CH2012 A 20120618
- US 2012051001 W 20120815

Abstract (en)

[origin: WO2013176692A1] A method for switch user equipment from a Long Term Evolution system to a Circuit Switched system when receiving a voice call is disclosed. The method may comprise: receiving, at an IWF (Internet Working Function) network node, a Mobility Application Part Unstructured Supplementary Service Data (MAP USSD) message identifying a User Equipment (UE) originated from a USSD application, the UE associated with a first Mobile Switching Center (MSC); initiating Circuit Switched Fallback (CSFB) by sending a paging request to the UE; receiving a Cancel Location message associated with the UE from a Home Location Register (HLR) indicative of the UE being associated with a second MSC; forwarding the MAP USSD message to the UE via the HLR and the second MSC; receiving a MAP USSD response message from the UE via the HLR; and forwarding the MAP USSD response message to the USSD application.

IPC 8 full level

H04W 8/04 (2009.01); **H04W 8/10** (2009.01); **H04W 36/00** (2009.01); **H04W 36/38** (2009.01); **H04W 68/00** (2009.01)

CPC (source: CN EP KR US)

H04W 4/14 (2013.01 - KR); **H04W 8/10** (2013.01 - KR); **H04W 36/00224** (2023.05 - CN EP KR US); **H04W 68/02** (2013.01 - KR); H04W 8/10 (2013.01 - CN EP); H04W 68/00 (2013.01 - CN EP)

Citation (search report)

- [X] EP 2282561 A1 20110209 - VODAFONE PLC [GB]
- [X] WO 2012045377 A1 20120412 - ERICSSON TELEFON AB L M [SE], et al
- [A] WO 2008055913 A1 20080515 - ERICSSON TELEFON AB L M [SE], et al
- [A] US 2008207181 A1 20080828 - JIANG JOHN YUE JUN [US]
- [A] WO 2011097170 A1 20110811 - RESEARCH IN MOTION LTD [CA], et al
- [A] WO 2011130904 A1 20111027 - HUAWEI TECH CO LTD [CN], et al
- [T] "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Circuit Switched (CS) fallback in Evolved Packet System (EPS); Stage 2 (3GPP TS 23.272 version 10.7.0 Release 10)", 1 March 2012, TECHNICAL SPECIFICATION, EUROPEAN TELECOMMUNICATIONS STANDARDS INSTITUTE (ETSI), 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS ; FRANCE, XP014069849
- [T] "3rd Generation Partnership Project; Technical Specification Group Core Network and Terminals; Mobile Application Part (MAP) specification (Release 11)", 8 March 2012, 3GPP STANDARD; 3GPP TS 29.002, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, PAGE(S) 1 - 956, XP050580531
- See also references of WO 2013176692A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2013176692 A1 20131128; AU 2012381036 A1 20150122; AU 2012381036 B2 20170629; BR 112014029399 A2 20170627; CL 2014003203 A1 20150724; CN 104509150 A 20150408; CN 104509150 B 20180504; EA 201401318 A1 20150430; EP 2856792 A1 20150408; EP 2856792 A4 20151223; JP 2015521005 A 20150723; JP 6115972 B2 20170419; KR 20150028779 A 20150316; MX 2014014406 A 20150623; MX 346933 B 20170405; ZA 201409360 B 20151125

DOCDB simple family (application)

US 2012051001 W 20120815; AU 2012381036 A 20120815; BR 112014029399 A 20120815; CL 2014003203 A 20141125; CN 201280074763 A 20120815; EA 201401318 A 20120815; EP 12877142 A 20120815; JP 2015513991 A 20120815; KR 20147036154 A 20120815; MX 2014014406 A 20120815; ZA 201409360 A 20141218