

Title (en)

IDENTIFICATION OF A MOBILE STATION AT A SERVING MOBILE LOCATION CENTER

Title (de)

IDENTIFIKATION EINER MOBILSTATION IN EINER VERSORGUNGS-MOBIL-POSITIONSZENTRALE

Title (fr)

IDENTIFICATION D'UNE STATION MOBILE AU NIVEAU D'UN CENTRAL DE LOCALISATION DES MOBILES

Publication

EP 1639841 A4 20110511 (EN)

Application

EP 04801783 A 20040406

Priority

- US 2004010576 W 20040406
- US 48321203 P 20030627

Abstract (en)

[origin: WO2005011308A1] A method and apparatus for conveying the identity of an MS (110) to a stand-alone Serving Mobile Location Center (SMLC) (130) are described. In one exemplary embodiment, an MS (110) is configured to encode a unique MS identifier (MS ID), such as and International Mobile Subscriber Identity (IMSI), in an extension container, which is an optional information element defined by Radio Resource Location Services (LCS) Protocol (RRLP). The extension container may be included as a component in a Measure Position Response message or a Protocol Error message. The SMLC (130) is configured to decode the extension container, retrieve the MS ID, and store the MS ID in association with a unique the positioning session identifier. Advantageously, the MS (110) may be configured with a test mode parameter. In one embodiment, encoding of the MS ID in the extension container is activated at the test MS (110) only when the test mode parameter is set to an "on" state.

IPC 8 full level

H04J 3/24 (2006.01); **H04Q 7/00** (2006.01); **H04Q 7/20** (2006.01); **H04W 4/02** (2018.01); **H04W 4/024** (2018.01); **H04W 8/20** (2009.01); **H04W 12/06** (2009.01); **H04W 8/26** (2009.01); **H04W 24/00** (2009.01)

CPC (source: EP US)

H04W 4/02 (2013.01 - EP); **H04W 4/024** (2018.01 - EP US); **H04W 8/26** (2013.01 - EP); **H04W 24/08** (2013.01 - EP)

Citation (search report)

- [Y] US 2003120637 A1 20030626 - CHITHAMBARAM NEMMARA [US], et al
- [YD] "Digital cellular telecommunications system (Phase 2+); Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP) (3GPP TS 04.31 version 8.10.0 Release 1999); ETSI TS 101 527", ETSI STANDARDS, LIS, SOPHIA ANTIPOLIS CEDEX, FRANCE, vol. 3-G2;SMG2;SMG3, no. V8.10.0, 1 July 2002 (2002-07-01), XP014006464, ISSN: 0000-0001
- See references of WO 2005011308A1

Cited by

US8265040B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005011308 A1 20050203; BR PI0411941 A 20060815; CA 2530359 A1 20050203; CN 1810050 A 20060726; CN 1810050 B 20110202; EP 1639841 A1 20060329; EP 1639841 A4 20110511; JP 2007521742 A 20070802; JP 4554607 B2 20100929; KR 101162997 B1 20120709; KR 20060017885 A 20060227; MX PA05013930 A 20060309; RU 2006102365 A 20060727; RU 2368103 C2 20090920; TW 200507670 A 20050216; TW I347142 B 20110811

DOCDB simple family (application)

US 2004010576 W 20040406; BR PI0411941 A 20040406; CA 2530359 A 20040406; CN 200480017654 A 20040406; EP 04801783 A 20040406; JP 2006517084 A 20040406; KR 20057024606 A 20040406; MX PA05013930 A 20040406; RU 2006102365 A 20040406; TW 93110391 A 20040414