

Title (en)

NETWORK BASED DETECTION AND MITIGATION OF HYBRID CLIENT DEVICE RECEPTION OUTAGE EVENTS

Title (de)

NETZWERKBASIERTE ERKENNUNG UND NACHWEIS VON EMPFANGSAUSFÄLLEN HYBRIDER CLIENT-VORRICHTUNGEN

Title (fr)

DÉTECTION ET LIMITATION, BASÉES SUR LE RÉSEAU, D'ÉVÈNEMENTS DE COUPURE DE RÉCEPTION DE DISPOSITIF CLIENT HYBRIDE

Publication

**EP 2832174 A1 20150204 (EN)**

Application

**EP 13733094 A 20130326**

Priority

- US 201261685891 P 20120326
- US 2013033939 W 20130326

Abstract (en)

[origin: TW201345283A] Methods and apparatus for network-based detection and mitigation of hybrid client device reception outage events. For example, in one embodiment, a cellular device uses a single-radio solution to support circuit-switched calls on a CDMA 1X network and packet-switched calls on LTE. Periodically, the cellular device tunes away from LTE and monitors CDMA 1X activity, and vice versa. During these tuned-away periods, the network adjusts operation to mitigate adverse effects (e.g., underutilization of radio resources, synchronization loss, etc.).

IPC 8 full level

**H04L 1/00** (2006.01); **H04W 72/12** (2009.01); **H04W 76/02** (2009.01); **H04W 88/06** (2009.01)

CPC (source: EP US)

**H04W 24/02** (2013.01 - US); **H04W 76/19** (2018.01 - EP); **H04L 1/0026** (2013.01 - EP); **H04W 48/02** (2013.01 - EP); **H04W 72/1215** (2013.01 - EP); **H04W 88/06** (2013.01 - EP)

Citation (search report)

See references of WO 2013148728A1

Citation (examination)

- US 2012020229 A1 20120126 - DAYAL PRANAV [US], et al
- RALF KREHER AND KARSTEN GAENGER: "LTE Signaling, Troubleshooting and Optimization", 16 December 2010, WILEY, ISBN: 9780470977712

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

Designated extension state (EPC)

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