

Title (en)

LTE-ASSISTED BEAM ACQUISITION FOR 60 GHZ WLAN ACCESS

Title (de)

LTE-UNTERSTÜTZTE STRAHLERFASSUNG FÜR 60-GHZ-WLAN-ZUGANG

Title (fr)

ACQUISITION DE FAISCEAU ASSISTÉE PAR LTE POUR ACCÈS À UN WLAN DE 60 GHZ

Publication

EP 3456077 A4 20191113 (EN)

Application

EP 17796567 A 20170428

Priority

- US 201662336447 P 20160513
- US 2017030223 W 20170428

Abstract (en)

[origin: WO2017196564A1] One embodiment provides an apparatus of an evolved Universal Terrestrial Radio Access (e-UTRAN) Network Node B (eNB). The apparatus includes a contention management circuitry to manage a beam acquisition procedure between a Wireless Local Area Network (WLAN) Access Point (AP) and a user equipment (UE). Another embodiment provides an apparatus of a User Equipment (UE). The apparatus includes a beam acquisition circuitry to provide a sector sweep resource request to a Radio Frequency (RF) circuitry for transmission to an evolved Universal Terrestrial Radio Access (e-UTRAN) Network Node B (eNB). The sector sweep resource request is related to a communication between the UE and a Wireless Local Area Network (WLAN) access point (AP).

IPC 8 full level

H04W 16/28 (2009.01); **H04B 7/06** (2006.01); **H04L 5/00** (2006.01); **H04L 29/06** (2006.01); **H04W 36/00** (2009.01); **H04W 72/04** (2009.01); **H04W 72/12** (2009.01); **H04W 74/00** (2009.01); **H04W 74/04** (2009.01); **H04W 76/16** (2018.01); **H04W 88/02** (2009.01); **H04W 88/06** (2009.01)

CPC (source: EP US)

H04B 7/0695 (2013.01 - EP); **H04B 7/088** (2013.01 - EP); **H04L 5/0053** (2013.01 - EP); **H04L 69/18** (2013.01 - EP); **H04W 36/00698** (2023.05 - EP US); **H04W 72/0446** (2013.01 - EP); **H04W 72/046** (2013.01 - EP); **H04W 72/1215** (2013.01 - EP); **H04W 72/1268** (2013.01 - EP); **H04W 72/21** (2023.01 - EP); **H04W 72/23** (2023.01 - EP); **H04W 74/004** (2013.01 - EP); **H04W 74/006** (2013.01 - EP); **H04W 74/04** (2013.01 - EP); **H04W 76/16** (2018.02 - EP); **H04W 88/02** (2013.01 - EP); **H04W 88/06** (2013.01 - EP)

Citation (search report)

- [X] WO 2015089303 A1 20150618 - INTEL CORP [US]
- [A] US 2015109927 A1 20150423 - OZTURK OZCAN [US], et al
- [A] MATTHEW WEINER: "Low-Latency, High-Reliability Wireless Networks for Control Applications", TECHNICAL REPORT NO. UCB/EECS-2015-114, 14 May 2015 (2015-05-14), University of California, Berkeley, XP055465654, ISBN: 978-1-339-02031-0, Retrieved from the Internet <URL:https://www2.eecs.berkeley.edu/Pubs/TechRpts/2015/EECS-2015-114.pdf> [retrieved on 20180409]
- [A] ADRIANA B FLORES ET AL: "IEEE Communications Magazine @BULLET RADIO COMMUNICATIONS IEEE 802.11ad: Directional 60 GHz Communication for Multi-Gigabit-per-Second Wi-Fi INTRODUCTION", 1 December 2014 (2014-12-01), XP055419463, Retrieved from the Internet <URL:http://ieeexplore.ieee.org/ielx7/35/6979940/06979964.pdf?tp=&arnumber=6979964&isnumber=6979940> [retrieved on 20171026]
- See also references of WO 2017196564A1

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 2017196564 A1 20171116; EP 3456077 A1 20190320; EP 3456077 A4 20191113

DOCDB simple family (application)

US 2017030223 W 20170428; EP 17796567 A 20170428