

Title (en)

REVERSE-BEACON INDOOR POSITIONING SYSTEM USING EXISTING DETECTION FIELDS

Title (de)

RÜCKFAHRBAKEN-INNENPOSITIONIERUNGSSYSTEM UNTER VERWENDUNG VORHANDENER ERKENNUNGSFELDER

Title (fr)

SYSTÈME DE POSITIONNEMENT INTÉRIEUR DE BALISE INVERSE UTILISANT DES CHAMPS DE DÉTECTION EXISTANTS

Publication

EP 3542178 A4 20200617 (EN)

Application

EP 17883236 A 20171221

Priority

- US 201662437412 P 20161221
- US 201715600380 A 20170519
- US 2017067972 W 20171221

Abstract (en)

[origin: WO2018119277A1] indoor positioning systems and methods including a reverse-beacon for location determination and presence sensing technology. The reverse-beacon is any device comprising a transceiver and a computer operating with system nodes and will generally be in the form of a smartphone or other mobile computer. The systems and methods utilize wireless signals of any device that adheres to a general-purpose communication protocol, such as BluetoothTM and Wi-Fi, to provide location-based services such as location, determination and acting as a ground-truth field for presence sensing systems. The systems and methods, operate by passively licensing to wireless communications, that take place during the ordinarily course of operation of a wireless network: irrespective of the presence. of the re verse-beacon..

IPC 8 full level

G01S 5/14 (2006.01)

CPC (source: EP KR US)

G01S 1/68 (2013.01 - KR); **G01S 5/0258** (2020.05 - EP KR); **G01S 5/10** (2013.01 - EP KR US); **G01S 5/14** (2013.01 - EP KR); **G01S 2205/02** (2020.05 - EP KR US)

Citation (search report)

- [X] WO 2016160376 A1 20161006 - PCMS HOLDINGS INC [US]
- [X] US 9473901 B1 20161018 - WHITE JOSEPH ARNOLD [US]
- [X] US 2012184296 A1 20120719 - MILOSIU HEINRICH [DE], et al
- See references of WO 2018119277A1

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 2018119277 A1 20180628; CA 3047820 A1 20180628; CA 3047820 C 20221122; CN 110100187 A 20190806; EP 3542178 A1 20190925; EP 3542178 A4 20200617; JP 2020504818 A 20200213; KR 20190101378 A 20190830

DOCDB simple family (application)

US 2017067972 W 20171221; CA 3047820 A 20171221; CN 201780079704 A 20171221; EP 17883236 A 20171221; JP 2019533572 A 20171221; KR 20197018194 A 20171221