

Title (en)

RE-GENERATION AND RE-TRANSMISSION OF MILLIMETER WAVES FOR BUILDING PENETRATION

Title (de)

NEUERZEUGUNG UND NEUÜBERTRAGUNG VON MILLIMETERWELLEN FÜR GEBÄUDEDURCHFÜHRUNG

Title (fr)

RÉ-GÉNÉRATION ET RÉ-ÉMISSION D'ONDES MILLIMÉTRIQUES DESTINÉES À PÉNÉTRER DANS UN BÂTIMENT

Publication

EP 3603329 A4 20210421 (EN)

Application

EP 18771470 A 20180321

Priority

- US 201762474937 P 20170322
- US 201815926087 A 20180320
- US 2018023605 W 20180321

Abstract (en)

[origin: WO2018175615A1] A system for enabling signal penetration into a building includes first circuitry, located on an outside of the building, for receiving signals at a first frequency that experiences losses when penetrating into an interior of the building and converting the received signals at the first frequency into a first format that overcome the losses caused by penetrating into the interior of the building over a wireless communications link. The first circuitry further includes a first transceiver, implementing a first transmission chipset for RF transmissions in the first format that counteracts losses occurring when penetrating into the interior of the building, for receiving the signals at the first frequency and converting the received signals at the first frequency into the first format that overcomes the losses caused by penetrating into the interior of the building. Second circuitry, located on the interior of the building is communicatively linked with the first circuitry for receiving and transmitting the converted received signals in the first format. The second circuitry further includes a second transceiver, implementing the first transmission chipset, for receiving and transmitting the converted signals in the first format from/to the first transceiver on the exterior of the building.

IPC 8 full level

H04B 1/00 (2006.01); **H04B 7/155** (2006.01); **H04W 88/02** (2009.01); **H04W 88/04** (2009.01)

CPC (source: EP KR)

H02J 50/12 (2016.02 - KR); **H04B 7/15** (2013.01 - EP); **H04B 7/15507** (2013.01 - KR); **H04B 7/15514** (2013.01 - EP);
H04W 16/26 (2013.01 - EP KR)

Citation (search report)

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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 2018175615 A1 20180927; **WO 2018175615 A8 20190912**; CN 110521277 A 20191129; EP 3603329 A1 20200205;
 EP 3603329 A4 20210421; JP 2020515162 A 20200521; KR 20190133194 A 20191202

DOCDB simple family (application)

US 2018023605 W 20180321; CN 201880020333 A 20180321; EP 18771470 A 20180321; JP 2019551619 A 20180321;
 KR 20197030714 A 20180321