

Title (en)

Waveguide radiator, group antenna radiator and synthetic aperture radar radiator

Title (de)

Hohlleiter-Strahler, Gruppenantennen-Strahler und Synthetik-Apertur-Radar-Strahler

Title (fr)

Émetteur de rayonnement à conducteur creux, émetteur de rayonnement de réseaux d'antennes et émetteur de rayonnement de radar à ouverture synthétique

Publication

**EP 2830156 B1 20161207 (DE)**

Application

**EP 14002534 A 20140722**

Priority

DE 102013012315 A 20130725

Abstract (en)

[origin: CA2857658A1] Described is a waveguide radiator which comprises a slotted waveguide (10; 30) with a plurality of transverse or longitudinal slots (23; 32) provided in the waveguide (10; 30) and which comprises an additional inner conductor (14; 34) provided in the waveguide (10; 30), wherein the inner conductor (14; 34) is formed, depending on the alignment of the slots (12, 32) in such a manner that the result is a feed according to the traveling wave principle, wherein all slots (12; 32) of the waveguide (10; 30) can be excited with identical phase.

IPC 8 full level

**H01Q 13/20** (2006.01); **H01Q 21/00** (2006.01)

CPC (source: EP US)

**H01Q 1/50** (2013.01 - US); **H01Q 13/18** (2013.01 - US); **H01Q 13/203** (2013.01 - EP US); **H01Q 21/005** (2013.01 - EP US)

Cited by

EP3817147A1; CN114144936A; RU174536U1; EP4148901A1; US11641066B2; WO2021083661A1; EP3817147B1

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)

**EP 2830156 A1 20150128; EP 2830156 B1 20161207**; CA 2857658 A1 20150125; CA 2857658 C 20191029; DE 102013012315 A1 20150129; DE 102013012315 B4 20180524; JP 2015027086 A 20150205; JP 6370143 B2 20180808; KR 101926895 B1 20181207; KR 20150013051 A 20150204; US 10651560 B2 20200512; US 2015029069 A1 20150129

DOCDB simple family (application)

**EP 14002534 A 20140722**; CA 2857658 A 20140723; DE 102013012315 A 20130725; JP 2014150583 A 20140724; KR 20140093307 A 20140723; US 201414340077 A 20140724