

Title (en)

WAVEGUIDE RADIATOR, ESPECIALLY FOR SYNTHETIC APERTURE RADAR SYSTEMS

Title (de)

HOHLLEITER-STRAHLER, INSBESONDERE FÜR SYNTHETIK-APERTUR-RADAR-SYSTEME

Title (fr)

ÉMETTEUR DE RAYONNEMENT À CONDUCTEUR CREUX POUR SYSTÈMES DE RADAR À OUVERTURE SYNTHÉTIQUE

Publication

EP 2100348 B1 20160831 (DE)

Application

EP 07856032 A 20071127

Priority

- DE 2007002139 W 20071127
- DE 102006057144 A 20061201

Abstract (en)

[origin: WO2008064655A1] The invention relates to a waveguide radiator comprising a slit wave guide (10) in which a plurality of slits (14) are formed, and an additional inner conductor which is applied inside the wave guide (10) and formed in a polarisation-dependent manner in such a way that all of the slits (14) of the wave guide (10) can be excited equally in terms of phase and amplitude.

IPC 8 full level

H01Q 21/00 (2006.01); **H01Q 13/22** (2006.01)

CPC (source: EP US)

H01Q 13/22 (2013.01 - EP US); **H01Q 21/0043** (2013.01 - EP US)

Cited by

CN110867644A

Designated contracting state (EPC)

AT BE BG CH CY CZ DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2008064655 A1 20080605; CA 2671118 A1 20080605; CA 2671118 C 20151124; DE 102006057144 A1 20080731; DE 102006057144 B4 20131017; EP 2100348 A1 20090916; EP 2100348 B1 20160831; ES 2594157 T3 20161216; IL 199000 A0 20100217; IL 199000 A 20160229; US 2010066623 A1 20100318; US 8493275 B2 20130723

DOCDB simple family (application)

DE 2007002139 W 20071127; CA 2671118 A 20071127; DE 102006057144 A 20061201; EP 07856032 A 20071127; ES 07856032 T 20071127; IL 19900009 A 20090527; US 51699607 A 20071127