

Title (en)

CIRCULARLY POLARIZED SLOTTED WAVEGUIDE ANTENNA

Title (de)

ZIRKULAR POLARISIERTE GESCHLITZTE WELLENLEITERANTENNE

Title (fr)

ANTENNE DE GUIDE D'ONDE À FENTES POLARISÉE DE MANIÈRE CIRCULAIRE

Publication

EP 2923415 B1 20191218 (EN)

Application

EP 13707719 A 20130123

Priority

- TR 201213546 A 20121122
- IB 2013050567 W 20130123

Abstract (en)

[origin: WO2014080298A1] The invention is related to slotted waveguide antennas which are used for receiving and transmitting circularly polarized electromagnetic waves. This invention's purpose is to realize a circularly polarized waveguide slot antenna element which enables the control of the antenna array amplitude distribution across the aperture to lower the far zone side lobe levels without sacrificing the antenna efficiency.

IPC 8 full level

H01Q 19/08 (2006.01); **H01Q 13/02** (2006.01); **H01Q 13/22** (2006.01); **H01Q 21/00** (2006.01); **H01Q 21/06** (2006.01); **H01Q 21/28** (2006.01)

CPC (source: EP)

H01Q 13/0233 (2013.01); **H01Q 13/22** (2013.01); **H01Q 19/08** (2013.01); **H01Q 21/005** (2013.01); **H01Q 21/06** (2013.01); **H01Q 21/064** (2013.01); **H01Q 21/28** (2013.01)

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 2014080298 A1 20140530; EP 2923415 A1 20150930; EP 2923415 B1 20191218; ES 2773269 T3 20200710; LU 92506 B1 20141122

DOCDB simple family (application)

IB 2013050567 W 20130123; EP 13707719 A 20130123; ES 13707719 T 20130123; LU 92506 A 20130123