

Title (en)

LOW SIDELOBE REFLECTOR ANTENNA WITH SHIELD

Title (de)

REFLEKTORANTENNE MIT NIEDRIGEN NEBENKEULEN UND EINER ABSCHIRMUNG

Title (fr)

ANTENNE À RÉFLECTEUR À LOBES SECONAIRES FAIBLES À BLINDAGE

Publication

**EP 2850695 A4 20150805 (EN)**

Application

**EP 14789765 A 20140513**

Priority

- US 201313947215 A 20130722
- US 2014037756 W 20140513

Abstract (en)

[origin: WO2015012940A1] A front feed reflector antenna with a dish reflector has a wave guide is coupled to a proximal end of the dish reflector, projecting into the dish reflector along a longitudinal axis. A dielectric block may be coupled to a distal end of the waveguide and a sub-reflector coupled to a distal end of the dielectric block. A shield is coupled to the periphery of the dish reflector. A subtended angle between the longitudinal axis and a line between the focal point and a distal periphery of the shield is 50 degrees or less.

IPC 8 full level

**H01Q 15/14** (2006.01); **H01Q 1/42** (2006.01); **H01Q 15/16** (2006.01); **H01Q 19/02** (2006.01); **H01Q 19/13** (2006.01); **H01Q 19/19** (2006.01)

CPC (source: EP KR)

**H01Q 1/42** (2013.01 - EP KR); **H01Q 15/141** (2013.01 - KR); **H01Q 15/16** (2013.01 - EP KR); **H01Q 19/021** (2013.01 - EP KR); **H01Q 19/193** (2013.01 - EP KR)

Citation (search report)

- [X] US 2013057445 A1 20130307 - SIMMS STEPHEN W [GB], et al
- See references of WO 2015012940A1

Cited by

US9768833B2; US9871282B2; US9999038B2; US10291334B2; US9917341B2; US9954287B2; US10139820B2; US10916969B2; US9608740B2; US9788326B2; US9906269B2; US10063280B2; US10291311B2; US9860075B1; US9948355B2; US10069535B2; US10148016B2; US10755542B2; US9847566B2; US9866276B2; US9876605B1; US10136434B2; US10243784B2; US10312567B2; US10498044B2; US11032819B2; US9640850B2; US9674711B2; US9912033B2; US10009067B2; US10069185B2; US10320586B2; US10361489B2; US9722318B2; US10090606B2; US10326689B2; US10341142B2; US10340600B2; US10389029B2; US10777873B2; US9705610B2; US9820146B2; US9853342B2; US9876587B2; US9913139B2; US10225025B2; US10355367B2; US9866309B2; US9887447B2; US9935703B2; US9973416B2; US9973940B1; US10050697B2; US10264586B2; US10326494B2; US10446936B2; US9742462B2; US9831912B2; US9954286B2; US9997819B2; US10135145B2; US10168695B2; US10359749B2; US10411356B2; US9893795B1; US9912027B2; US9948354B2; US10374316B2; US10530505B2; US10819035B2; US9762289B2; US9929755B2; US9930668B2; US10051630B2; US10091787B2; US10224634B2; US10340601B2; US10340603B2; US10547348B2; US10601494B2; US9787412B2; US9838896B1; US9847850B2; US9865911B2; US9991580B2; US9998870B1; US10009063B2; US10027398B2; US10027397B2; US10044409B2; US10103801B2; US10142010B2; US10305190B2; US10389037B2; US9876570B2; US9876264B2; US9876571B2; US9882257B2; US9912381B2; US9912382B2; US9967002B2; US10020844B2; US10135146B2; US10178445B2; US10650940B2; US9685992B2; US9742521B2; US9749083B2; US9871283B2; US9912419B1; US9967173B2; US10079661B2; US10135147B2; US10144036B2; US10535928B2; US10727599B2; US10938108B2; US9729197B2; US9769020B2; US9793951B2; US9806818B2; US9871558B2; US9927517B1; US9948333B2; US9960808B2; US10033108B2; US10243270B2; US10637149B2; US10694379B2; US10811767B2; US9667317B2; US9735833B2; US9769128B2; US9780834B2; US9793955B2; US9800327B2; US9838078B2; US9911020B1; US10090594B2; US10103422B2; US10205655B2; US10224981B2; US10298293B2; US10340573B2; US10340983B2; US10382976B2; US10439675B2; US10797781B2; US10812174B2

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2015012940 A1 20150129**; CN 104488139 A 20150401; EP 2850695 A1 20150325; EP 2850695 A4 20150805; IN 2240MUN2014 A 20151009; KR 101545672 B1 20150819; KR 20150024313 A 20150306

DOCDB simple family (application)

**US 2014037756 W 20140513**; CN 201480001421 A 20140513; EP 14789765 A 20140513; IN 2240MUN2014 A 20141105; KR 20147032767 A 20140513