

Title (en)  
Radome for a concave reflector antenna

Title (de)  
Radom für eine Antenne mit Konkavreflektor

Title (fr)  
Radôme pour une antenne à réflecteur concave

Publication  
**EP 2804259 A1 20141119 (FR)**

Application  
**EP 13305610 A 20130515**

Priority  
EP 13305610 A 20130515

Abstract (en)  
[origin: WO2014184755A2] A radome for a concave-reflector antenna is fastened directly onto the reflector's edge. The inner surface of the radome comprises at least one absorbent part partially covering its surface area and disposed along its peripheral edge. The surface area of the radome covered by the absorbent part(s) is less than 15% of the total surface area. The radome may comprise two absorbent parts in diametrically opposite positions. Each absorbent part may have a substantially triangular shape, the base of the absorbent part being rounded along the radome's edge, and a portion of its surface area having been removed laterally from each side of the triangle in a circular arc cut-out.

Abstract (fr)  
Un radôme pour une antenne à réflecteur concave est fixé directement sur le bord du réflecteur. La surface intérieure du radôme comporte au moins une pièce absorbante couvrant partiellement sa surface et disposée le long de son bord périphérique. La surface du radôme couverte par la ou les pièce(s) absorbante(s) est inférieure à 15% de sa surface totale. Le radôme peut comporter deux pièces absorbantes en position diamétralement opposée. Chaque pièce absorbante peut avoir une forme sensiblement triangulaire, la base de la pièce absorbante étant arrondie suivant le bord du radôme, et une partie de sa surface ayant été enlevée latéralement, de chaque côté du triangle selon une découpe en arc de cercle.

IPC 8 full level  
**H01Q 1/42** (2006.01); **H01Q 17/00** (2006.01); **H01Q 19/02** (2006.01)

CPC (source: EP US)  
**H01Q 1/42** (2013.01 - EP US); **H01Q 17/001** (2013.01 - EP US); **H01Q 17/008** (2013.01 - EP US); **H01Q 19/026** (2013.01 - EP US); **H01Q 19/13** (2013.01 - US); **H01Q 19/19** (2013.01 - EP US)

Citation (search report)  
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• [Y] DE 4219582 A1 19931216 - FRENZEL HOLGER DR [DE]  
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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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2804259 A1 20141119**; **EP 2804259 B1 20190918**; CN 105556746 A 20160504; CN 105556746 B 20190507; US 10224640 B2 20190305; US 2016087345 A1 20160324; WO 2014184755 A2 20141120; WO 2014184755 A3 20150409

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**EP 13305610 A 20130515**; CN 201480027457 A 20140514; IB 2014061437 W 20140514; US 201414890701 A 20140514