

Title (en)
Amplifying device for radar antenna

Title (de)
VerstärkungsVorrichtung für Radarantenne

Title (fr)
Dispositif d'amplification d'antenne radar

Publication
EP 2924807 A1 20150930 (EN)

Application
EP 14003977 A 20141126

Priority
ES 201430445 A 20140328

Abstract (en)
The present invention is related to an amplifying device for radar antennas specially adapted for M3 double horn antenna topology including Fresnel lens, making possible firstly to focus and concentrate the signal for this kind of broad range of aperture applications. Secondly it provides the operation in vertical and horizontal polarization. The device is comprised of a first hollow amplifying unit which is pyramidal-trunk shape and a second support unit, wherein the amplifying unit is assembled, the symmetrical bases 2 which form two opposite faces of the pyramidal-trunk shaped amplifying unit are essentially isosceles trapezes, and wherein a tapered central and annular edge is disposed in relation to the minor base of the trapeze forming a convex perimeter.

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CPC (source: EP ES)
H01Q 13/02 (2013.01 - EP ES); **H01Q 13/0283** (2013.01 - EP); **H01Q 19/08** (2013.01 - EP)

Citation (search report)

- [X1] JP 2009038727 A 20090219 - SHIMADA PHYSICAL CHEM IND CO
- [XA] US 2012176287 A1 20120712 - MARTIN BONNIE G [US], et al
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Cited by
CN105337043A

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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

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