

Title (en)
MULTIFUNCTIONAL BROADBAND SECTOR ANTENNA

Title (de)
MULTIFUNKTIONELLE BREITBANDIGE SEKTORANTENNE

Title (fr)
ANTENNE SECTORIELLE LARGE BANDE MULTIFONCTIONS

Publication
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Application
EP 16747534 A 20160804

Priority
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• EP 2016068664 W 20160804

Abstract (en)
[origin: WO2017029122A1] The invention relates to a broadband or ultra-broadband sector antenna (1) having a height H, a depth D and a width W, including a first ground plane (2) acting as reflective plane, at least one antenna assembly comprising at least one first strand (101) and at least one second strand (102), the antenna operating in a frequency range [f1, f2], characterised in that: one strand (101, 102) has a folded shape, an inner curve F1 starting at a point A positioned towards the centre of the antenna O, and an outer curve F2 forming an extension of the first inner curve F1; the inner curve F1 is determined so as to guarantee the stability of the radiation pattern at the maximum operating frequency of the antenna; the outer curve F2 is determined so as to guarantee the stability of the impedance of the antenna at the supply terminals thereof, at the minimum operating frequency; and the first strand (101) and the second strand (102) are supplied in opposite phase.

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CPC (source: EP)
H01Q 9/28 (2013.01); **H01Q 19/106** (2013.01); **H01Q 19/108** (2013.01)

Cited by
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