

Title (en)  
VERY WIDEBAND MULTIDIRECTIONAL ANTENNA

Title (de)  
SEHR BREITBANDIGE MEHRFACHRICHTUNGSANTENNE

Title (fr)  
ANTENNE OMNIDIRECTIONNELLE TRES LARGE BANDE

Publication  
**EP 2371032 A1 20111005 (FR)**

Application  
**EP 09796702 A 20091216**

Priority  
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Abstract (en)  
[origin: WO2010070019A1] The invention relates to a very wideband open guide multidirectional antenna operating in a selected frequency range, characterised in that the antenna comprises at least the following elements: a first metal plate (1) having a length L1 and a width l1 with a surface S1; a second metal plate (2) having a length L2 and a width l2 with a surface S2; the two plates (1, 2) being separated by a gap E; a wideband excitation means (3, 5) having an outer surface and a profile adapted for generating a linear, vertical polarisation electric field between the two plates (1, 2) by means of a signal applied at an excitation point (4) of said antenna, wherein the electric field thus generated propagates within a guiding structure formed by the upper plate (1), the lower plate (2), and the wideband excitation means (3, 5).

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Citation (search report)  
See references of WO 2010070019A1

Citation (examination)  
WO 2007071475 A1 20070628 - THALES ITALIA S P A LAND & JOI [IT], et al

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