

Title (en)

MODULAR BAND EXTENSION DEVICE FOR A VERY-WIDE-BAND OMNIDIRECTIONAL ANTENNA

Title (de)

MODULARE FREQUENZBEREICHSERWEITERUNGSVORRICHTUNG FÜR EINE OMNIDIREKTIONALE ANTENNE MIT SEHR WEITEM FREQUENZBEREICH

Title (fr)

DISPOSITIF D'EXTENSION DE BANDE MODULABLE POUR ANTENNE OMNIDIRECTIONNELLE TRES LARGE BANDE

Publication

EP 2449623 A1 20120509 (FR)

Application

EP 10723615 A 20100616

Priority

- EP 2010058492 W 20100616
- FR 0903188 A 20090630

Abstract (en)

[origin: WO2011000702A1] The invention relates to a modular device that can be used to widen the usage band of a very-wide-band omnidirectional antenna, said antenna (1) being disposed on a carrier vehicle V. The invention is characterised in that it comprises at least the following elements: a first upper conductive plate (5) provided with one or more slots (8) that can be used to support metal links (2), said metal links (2) being equipped with a matching circuit (3); and a second lower conductive plate (6) also provided with one or more slots (8) that can be used to form electrical contacts between the power resistors (3) and the plate by means of wire ties (4). The antenna (1) includes a wide-band exciter (7) disposed between the first conductive plate (5) and the second conductive plate (6). The invention is suitable for switching from the 100 MHz-3 GHz band to the 30 MHz-3GHz band.

IPC 8 full level

H01Q 1/00 (2006.01)

CPC (source: EP)

H01Q 1/002 (2013.01)

Citation (search report)

See references of WO 2011000702A1

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 SE SI SK SM TR

DOCDB simple family (publication)

FR 2947389 A1 20101231; FR 2947389 B1 20110617; EP 2449623 A1 20120509; EP 2449623 B1 20130724; WO 2011000702 A1 20110106

DOCDB simple family (application)

FR 0903188 A 20090630; EP 10723615 A 20100616; EP 2010058492 W 20100616