

Title (en)
High-power broadband antenna

Title (de)
Hochleistungs-Breitbandantenne

Title (fr)
Antenne de forte puissance large bande

Publication
EP 2469656 B1 20180704 (FR)

Application
EP 11306765 A 20111223

Priority
FR 1005127 A 20101227

Abstract (en)
[origin: EP2469656A1] The antenna (10) has a coupling unit linking electromagnetic energy to electromagnetic wave between electromagnetic waveguides (16, 18). The unit separates an emission surface (12) into a peripheral region (76) and an inner region (78) formed at right side of a collection inlet (27), where each region has an elementary antenna (14). The unit is formed of transversal loops (74) made of conductive material. Energy absorbing units (90, 94) are located at peripheral ends of the waveguides and made of pyrolytic carbon, where one of the peripheral ends is closed by dielectric material. The unit traverses via a metallic wall.

IPC 8 full level
H01Q 21/00 (2006.01); **H01Q 21/06** (2006.01)

CPC (source: EP US)
H01Q 21/0012 (2013.01 - EP US); **H01Q 21/067** (2013.01 - EP US)

Citation (examination)
US 5608363 A 19970304 - CAMERON RICHARD J [GB], et al

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

DOCDB simple family (publication)
EP 2469656 A1 20120627; EP 2469656 B1 20180704; FR 2969829 A1 20120629; FR 2969829 B1 20130315; US 2012194400 A1 20120802

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