

Title (en)
MULTIBAND PLANAR ANTENNA

Title (de)
MEHRBAND-PLANARANTENNE

Title (fr)
ANTENNE PLANE MULTIBANDE

Publication
EP 1518296 B1 20060823 (FR)

Application
EP 03761621 A 20030617

Priority
• FR 0301829 W 20030617
• FR 0208113 A 20020628

Abstract (en)
[origin: US2006164303A1] The invention concerns a planar broadband patch antenna, in particular for transmitting and/or receiving digital and/or analogue terrestrial television UHF/SHF signals, having a bandwidth low frequency tuned reflector and a radiator connected to a specific power supply and radiating in a frequency F 1. The radiator also has a slot tuned to a frequency F 2. The antenna is characterized in that the radiator has another slot tuned to a frequency F 3 different from frequencies F 1 and F 2, the slots being connected through a linking slot designed to constitute a coupling line to provide a substantially identical electromagnetic current at each of the slots of frequency F 2, F 3, respectively.

IPC 8 full level
H01Q 9/04 (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/10** (2015.01); **H01Q 5/364** (2015.01); **H01Q 5/378** (2015.01)

CPC (source: EP US)
H01Q 5/364 (2015.01 - EP US); **H01Q 5/378** (2015.01 - EP US); **H01Q 9/0407** (2013.01 - EP US); **H01Q 9/0414** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2006164303 A1 20060727; US 7151491 B2 20061219; AT E337628 T1 20060915; AU 2003263244 A1 20040119;
CN 100449866 C 20090107; CN 1666382 A 20050907; DE 60307848 D1 20061005; EP 1518296 A1 20050330; EP 1518296 B1 20060823;
FR 2841688 A1 20040102; FR 2841688 B1 20060630; WO 2004004066 A1 20040108

DOCDB simple family (application)
US 51637505 A 20050711; AT 03761621 T 20030617; AU 2003263244 A 20030617; CN 03815287 A 20030617; DE 60307848 T 20030617;
EP 03761621 A 20030617; FR 0208113 A 20020628; FR 0301829 W 20030617