Title (en)
PLANAR MULTIBAND ANTENNA

Title (de)
PLANARE MEHRBANDANTENNE

Title (fr)
ANTENNE MULTIBANDE PLANE

Publication
EP 1842263 A1 20071010 (DE)

Application
EP 06707213 A 20060223

Priority
• EP 2006001661 W 20060223
• DE 102005010894 A 20050309

Abstract (en)
[origin: US2007296635A1] The present invention provides a planar multiband antenna having a ground area, a first radiation electrode, a second radiation electrode, a third radiation electrode and a feeder. The feeder is implemented to feed the first radiation electrode. The first radiation electrode is arranged at least partly between the ground area and the second radiation electrode and does not protrude from an external periphery of the third radiation electrode. The third radiation electrode is arranged such that it completely surrounds an external periphery of the second radiation electrode, wherein there is a gap between the second radiation electrode and the third radiation electrode.

IPC 8 full level
H01Q 9/04 (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/364** (2015.01); **H01Q 5/392** (2015.01)

CPC (source: EP US)
H01Q 5/364 (2015.01 - EP US); **H01Q 5/392** (2015.01 - EP US); **H01Q 9/0414** (2013.01 - EP US); **H01Q 9/0428** (2013.01 - EP US); **H01Q 9/0471** (2013.01 - EP US)

Citation (search report)
See references of WO 2006094644A1

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

DOCDB simple family (publication)
US 2007296635 A1 20071227; **US 7471248 B2 20081230**; AT E397303 T1 20080615; AU 2006222294 A1 20060914; AU 2006222294 B2 20090528; CA 2601821 A1 20060914; DE 102005010894 A1 20060914; DE 102005010894 B4 20080612; DE 502006000846 D1 20080710; EP 1842263 A1 20071010; EP 1842263 B1 20080528; WO 2006094644 A1 20060914

DOCDB simple family (application)
US 84453007 A 20070824; AT 06707213 T 20060223; AU 2006222294 A 20060223; CA 2601821 A 20060223; DE 102005010894 A 20050309; DE 502006000846 T 20060223; EP 06707213 A 20060223; EP 2006001661 W 20060223