

Title (en)
MULTILAYER ANTENNA HAVING A PLANAR DESIGN

Title (de)
MEHRSCHICHTIGE ANTENNE PLANARER BAUART

Title (fr)
ANTENNE MULTICOUCHE DE CONSTRUCTION PLANE

Publication
EP 2027626 B1 20091223 (DE)

Application
EP 07725883 A 20070606

Priority
• EP 2007005035 W 20070606
• DE 102006027694 A 20060614

Abstract (en)
[origin: DE102006027694B3] The antenna has a radiation surface (7) arranged at a lateral distance to an electrically conductive ground plane (3) and running parallel to the plane. A dielectric carrier (5) is arranged between the plane and surface. The surface is electrically connected with an electrically conductive feeder line. A supporting device (19) is provided directly/indirectly on the surface opposite to the plane. A patch unit (13) is provided on the supporting device opposite to the surface, where the device has a thickness or height that is smaller than the thickness or height of the patch unit.

IPC 8 full level
H01Q 9/04 (2006.01)

CPC (source: EP KR)
H01Q 1/3275 (2013.01 - EP KR); **H01Q 1/38** (2013.01 - KR); **H01Q 9/0414** (2013.01 - EP KR); **H01Q 13/08** (2013.01 - KR)

Cited by
US2023054296A1; TWI689130B

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102006027694 B3 20070927; AT E453227 T1 20100115; CN 101467304 A 20090624; CN 101467304 B 20130116;
DE 502007002430 D1 20100204; EP 2027626 A1 20090225; EP 2027626 B1 20091223; ES 2337098 T3 20100420; JP 2009540708 A 20091119;
KR 101011310 B1 20110128; KR 20090014277 A 20090209; PL 2027626 T3 20100630; RU 2008145907 A 20100527;
RU 2424605 C2 20110720; WO 2007144104 A1 20071221

DOCDB simple family (application)
DE 102006027694 A 20060614; AT 07725883 T 20070606; CN 200780021906 A 20070606; DE 502007002430 T 20070606;
EP 07725883 A 20070606; EP 2007005035 W 20070606; ES 07725883 T 20070606; JP 2009514680 A 20070606; KR 20087028414 A 20070606;
PL 07725883 T 20070606; RU 2008145907 A 20070606