

Title (en)
PIFA antenna with slots

Title (de)
PIFA-Antenne mit Schlitzten

Title (fr)
Antenne PIFA avec fentes

Publication
EP 1241733 B1 20080806 (FR)

Application
EP 02290493 A 20020228

Priority
FR 0103529 A 20010315

Abstract (en)
[origin: EP1241733A1] The chip antenna (1) has a conductor chip (2) with two sinusoidal slots. There is a short circuit connection (6) to the earth plane. The antenna has a radiating diagram between 1950 and 2100 MHz and has a bandwidth above 20 per cent.

IPC 8 full level
H01Q 9/04 (2006.01); **H01Q 1/24** (2006.01); **H01Q 1/38** (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/10** (2015.01); **H01Q 5/357** (2015.01); **H01Q 13/10** (2006.01)

CPC (source: EP US)
H01Q 1/243 (2013.01 - EP US); **H01Q 5/357** (2015.01 - EP US); **H01Q 9/0421** (2013.01 - EP US); **H01Q 9/0442** (2013.01 - EP US); **H01Q 13/106** (2013.01 - EP US)

Cited by
EP1796212A1; US7183982B2; EP2320517A1; FR3030909A1; EP1568101A4; EP1304765A3; EP1914831A3; EP1374336A4; EP1587161A1; CN101777699A; US10547115B2; US7589673B2; WO2018011635A1; WO2016097362A1; KR101012731B1; EP1576695B1; EP1573856B1; WO2009042393A1; US9130267B2; US10476134B2; US11145955B2; US7224312B2; US7283097B2; US7466271B2; US7916087B2; US8207896B2; US8531336B2; US8878731B2; US9397398B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1241733 A1 20020918; EP 1241733 B1 20080806; AT E403951 T1 20080815; CN 100388560 C 20080514; CN 1375890 A 20021023; DE 60228010 D1 20080918; FR 2822301 A1 20020920; FR 2822301 B1 20040604; JP 2002314326 A 20021025; US 2003011521 A1 20030116; US 6798382 B2 20040928

DOCDB simple family (application)
EP 02290493 A 20020228; AT 02290493 T 20020228; CN 02107509 A 20020314; DE 60228010 T 20020228; FR 0103529 A 20010315; JP 2002063689 A 20020308; US 9666102 A 20020314