

Title (en)
Perpendicularly-oriented inverted F antenna

Title (de)
Senkrecht-orientierte "inverted-F" Antenne

Title (fr)
Antenne du type F inversé orientée perpendiculairement

Publication
EP 1507314 A1 20050216 (EN)

Application
EP 03018337 A 20030812

Priority
EP 03018337 A 20030812

Abstract (en)
An antenna (8, 24, 40, 42) connected to a circuit board (26) includes a radiator (28) perpendicular to the circuit board (26) for transmitting and receiving radio frequency signals, a feeding plate (30, 31, 44) stretching out from the radiator (28) and connected to a feed pad (32) on the circuit board (26) for transmitting radio frequency signals, and a ground plate (34, 46) stretching out from the radiator (28), which is connected to a ground plane (36) on the circuit board (26). <IMAGE>

IPC 1-7
H01Q 9/42; **H01Q 1/22**

IPC 8 full level
H01Q 1/24 (2006.01); **H01Q 9/04** (2006.01); **H01Q 9/26** (2006.01)

CPC (source: EP)
H01Q 1/243 (2013.01); **H01Q 9/0421** (2013.01); **H01Q 9/0442** (2013.01); **H01Q 9/42** (2013.01)

Citation (search report)

- [E] EP 1349109 A1 20031001 - TOSHIBA KK [JP]
- [X] US 5365246 A 19941115 - RASINGER JOSEF [AT], et al
- [X] US 6448932 B1 20020910 - STOILJKOVIC VLADIMIR [GB], et al
- [X] EP 1251588 A2 20021023 - FILTRONIC LK OY [FI]
- [X] WO 0147059 A1 20010628 - RANGESTAR WIRELESS INC [US]
- [A] US 6344823 B1 20020205 - DENG TEN-LONG [TW]
- [X] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 08 30 June 1999 (1999-06-30)

Cited by
DE102005018531B4; EP1835561A3; EP1610412A1; US7969361B2

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)
EP 1507314 A1 20050216

DOCDB simple family (application)
EP 03018337 A 20030812