

Title (en)
Multiple band antenna

Title (de)
Mehrband-Antenne

Title (fr)
Antenne multibandes

Publication
EP 0987788 A3 20030416 (EN)

Application
EP 99118375 A 19990916

Priority
• EP 99118375 A 19990916
• EP 98117699 A 19980918

Abstract (en)
[origin: EP0987788A2] A dual band antenna includes a first conductor (4) in the form of a wire (7) wound in a helix, and a second conductor (6) in the form of a short stub inserted into the helix at a free end (10) thereof where the helix is adapted to operate substantially at a first operating frequency range and the second conductor electromagnetically couples with the first conductor for intrinsic operation at both first and second frequency ranges so that a particularly simple, reliable and easy to manufacture dual frequency band antenna is provided. <IMAGE>

IPC 1-7
H01Q 5/00; **H01Q 1/36**; **H01Q 11/08**; **H01Q 1/24**

IPC 8 full level
H01Q 1/24 (2006.01); **H01Q 1/36** (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/357** (2015.01); **H01Q 11/08** (2006.01)

CPC (source: EP)
H01Q 1/242 (2013.01); **H01Q 1/362** (2013.01); **H01Q 5/357** (2015.01); **H01Q 11/08** (2013.01)

Citation (search report)
• [XY] GB 2206243 A 19881229 - PANORAMA ANTENNAS LTD
• [Y] EP 0528775 A1 19930224 - ERICSSON GE MOBILE COMMUNICAT [US]
• [X] WO 9831069 A1 19980716 - GALTRONICS LTD [IL]
• [X] US 3852759 A 19741203 - FELSENHELD R, et al
• [A] US 4214247 A 19800722 - RICHMOND THOMAS A [US]
• [X] PATENT ABSTRACTS OF JAPAN vol. 018, no. 255 (E - 1548) 16 May 1994 (1994-05-16)
• [X] PATENT ABSTRACTS OF JAPAN vol. 017, no. 518 (E - 1434) 17 September 1993 (1993-09-17)

Cited by
EP1291963A4; EP1318567A1; FR2823018A1; GB2376132A; CN1327682C; EP1263081A3; DE10037472A1; DE10037472C2; CN107358287A; FR2823015A1; AT501583A1; AT501583B1; US6661391B2; US6608605B2; US11456524B2; US6762732B2; WO2017141635A1; WO0199228A1; WO2006137677A1; WO2004109854A1; WO0249152A1; US6710752B2; US7053839B2; WO2005057724A1

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

DOCDB simple family (publication)
EP 0987788 A2 20000322; EP 0987788 A3 20030416

DOCDB simple family (application)
EP 99118375 A 19990916