Title (en)

MULTIBAND ANTENNA

Title (de)

MEHR-BEREICHS-ANTENNE

Title (fr)

ANTENNE MULTIBANDE

Publication

EP 1078424 B1 20030604 (DE)

Application

EP 00918805 A 20000316

Priority

- DE 19912465 A 19990319
- EP 0002356 W 20000316

Abstract (en)

[origin: US6323820B1] A multiband antenna has first and second antenna devices for transmitting or receiving. Each device has a dipole structure and associated dipole halves disposed opposite a base plate or reflector by baluns. The antenna devices are provided with a feed from a common antenna input line and a branch circuit. Frequency selective components are respectively associated with the first and second antenna devices. An electrical length of branch lines between a branch point and a feed point on the associated antenna devices having the dipole structure enables the frequency selective components respectively to reject a frequency band range transmitted via another of the first and second antenna devices.

IPC 1-7

H01Q 21/30

IPC 8 full level

H01Q 5/50 (2015.01); **H01Q 9/16** (2006.01); **H01Q 19/10** (2006.01); **H01Q 21/30** (2006.01)

CPC (source: EP KR US)

H01Q 5/50 (2015.01 - EP US); **H01Q 9/16** (2013.01 - EP US); **H01Q 19/10** (2013.01 - EP US); **H01Q 21/30** (2013.01 - EP KR US)

Cited by

CN112186333A

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)

US 6323820 B1 20011127; AT E242553 T1 20030615; AU 3962200 A 20001009; AU 760267 B2 20030508; BR 0005455 A 20010130; CA 2332630 A1 20000928; CA 2332630 C 20030415; CN 1147031 C 20040421; CN 1296651 A 20010523; DE 19912465 A1 20001012; DE 19912465 C2 20010705; DE 50002424 D1 20030710; DK 1078424 T3 20030929; EP 1078424 A1 20010228; EP 1078424 B1 20030604; HK 1035607 A1 20011130; KR 100454142 B1 20041026; KR 20010043005 A 20010525; NZ 507669 A 20021220; WO 0057514 A1 20000928

DOCDB simple family (application)

US 70008800 A 20001116; AT 00918805 T 20000316; AU 3962200 A 20000316; BR 0005455 A 20000316; CA 2332630 A 20000316; CN 00800353 A 20000316; DE 19912465 A 19990319; DE 50002424 T 20000316; DK 00918805 T 20000316; EP 0002356 W 20000316; EP 00918805 A 20000316; HK 01106270 A 20010905; KR 20007011852 A 20001025; NZ 50766900 A 20000316