

Title (en)  
DUAL BAND ANTENNA

Title (de)  
DUALBANDANTENNE

Title (fr)  
ANTENNE A DOUBLE BANDE

Publication  
**EP 1493206 B1 20050831 (DE)**

Application  
**EP 03745739 A 20030408**

Priority  
• EP 03745739 A 20030408  
• CH 0300228 W 20030408  
• EP 02405285 A 20020410

Abstract (en)  
[origin: EP1353405A1] The device has a two periodic linear arrangements of first (14) and second (15,16) individual antennas for two frequency bands. The period of the first arrangement is essentially twice that of the second. The second antennas are arranged alternately between and above the first antennas. The two antennas are patch radiators and each contains a printed plate and several stacked patch plates at intervals in a rectangular conducting open box.

IPC 1-7  
**H01Q 21/08**; **H01Q 5/00**; **H01Q 1/24**; **H01Q 9/04**

IPC 8 full level  
**H01Q 1/24** (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/378** (2015.01); **H01Q 5/40** (2015.01); **H01Q 5/42** (2015.01); **H01Q 9/04** (2006.01); **H01Q 21/08** (2006.01)

CPC (source: EP US)  
**H01Q 1/246** (2013.01 - EP US); **H01Q 5/378** (2015.01 - EP US); **H01Q 5/40** (2015.01 - EP US); **H01Q 5/42** (2015.01 - EP US); **H01Q 9/0414** (2013.01 - EP US); **H01Q 21/08** (2013.01 - EP US)

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 1353405 A1 20031015**; AT E303661 T1 20050915; AU 2003205486 A1 20031020; AU 2003215492 A1 20031020; CN 100342587 C 20071010; CN 1647319 A 20050727; DE 50301109 D1 20051006; EP 1493206 A1 20050105; EP 1493206 B1 20050831; US 2005225498 A1 20051013; US 7068222 B2 20060627; WO 03085781 A1 20031016; WO 03085782 A1 20031016

DOCDB simple family (application)  
**EP 02405285 A 20020410**; AT 03745739 T 20030408; AU 2003205486 A 20030220; AU 2003215492 A 20030408; CH 0300127 W 20030220; CH 0300228 W 20030408; CN 03808134 A 20030408; DE 50301109 T 20030408; EP 03745739 A 20030408; US 51093005 A 20050613