

Title (en)

ANTENNA, IN PARTICULAR MOBILE RADIO ANTENNA

Title (de)

ANTENNE, INSBESONDERE MOBILFUNKANTENNE

Title (fr)

ANTENNE, EN PARTICULIER ANTENNE RADIO MOBILE

Publication

**EP 1344277 B1 20060426 (DE)**

Application

**EP 01271671 A 20011213**

Priority

- DE 10064129 A 20001221
- EP 0114711 W 20011213

Abstract (en)

[origin: WO0250945A1] An improved antenna, in particular, a mobile radio antenna is characterised by the following features: at least one additional dielectric body (21) is provided, said at least one dielectric body (21) is arranged completely or, based on the weight and/or volume thereof, partially, to a degree of more than 40 %, in particular more than 50 or 60 %, beneath the emitter (4a, 13), provided for the lower frequency range and arranged completely or, at least based on the weight and/or volume thereof partially to a degree of more than 40 %, 50 % or 60 % above the emitter (4b, 15), provided for an upper frequency range as viewed from the reflector (11).

IPC 8 full level

**H01Q 1/24** (2006.01); **H01Q 1/40** (2006.01); **H01Q 19/06** (2006.01); **H01Q 21/08** (2006.01); **H01Q 21/24** (2006.01)

CPC (source: EP KR US)

**H01Q 1/24** (2013.01 - KR); **H01Q 1/246** (2013.01 - EP US); **H01Q 1/40** (2013.01 - EP US); **H01Q 19/06** (2013.01 - EP US);  
**H01Q 21/08** (2013.01 - EP US); **H01Q 21/24** (2013.01 - EP US); **H01Q 9/285** (2013.01 - EP); **H01Q 19/028** (2013.01 - EP)

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)

**WO 0250945 A1 20020627; WO 0250945 A8 20030410;** AT E324678 T1 20060515; AU 1611002 A 20020701; BR 0108326 A 20030311;  
CA 2430105 A1 20020627; CA 2430105 C 20080610; CN 1227772 C 20051116; CN 1404639 A 20030319; CN 2496138 Y 20020619;  
DE 10064129 A1 20020718; DE 10064129 B4 20060420; DE 50109647 D1 20060601; EP 1344277 A1 20030917; EP 1344277 B1 20060426;  
ES 2261336 T3 20061116; KR 100604770 B1 20060726; KR 20020073212 A 20020919; NZ 525698 A 20040227; US 2003011529 A1 20030116;  
US 6831615 B2 20041214; ZA 200207281 B 20030114

DOCDB simple family (application)

**EP 0114711 W 20011213;** AT 01271671 T 20011213; AU 1611002 A 20011213; BR 0108326 A 20011213; CA 2430105 A 20011213;  
CN 01222371 U 20010526; CN 01805320 A 20011213; DE 10064129 A 20001221; DE 50109647 T 20011213; EP 01271671 A 20011213;  
ES 01271671 T 20011213; KR 20027010358 A 20020809; NZ 52569801 A 20011213; US 20421402 A 20020819; ZA 200207281 A 20020911