

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