

Title (en)  
DUAL-BAND MOBILE RADIO ANTENNA

Title (de)  
ZWEIBAND-MOBILFUNKANTENNE

Title (fr)  
ANTENNE RADIO MOBILE A DOUBLE BANDE

Publication  
**EP 1817815 B1 20080319 (DE)**

Application  
**EP 05813618 A 20051124**

Priority  
• EP 2005012593 W 20051124  
• DE 102004057774 A 20041130

Abstract (en)  
[origin: DE102004057774A1] In front of reflector (1) are located several dipole radiators (2,3) with radiator elements or structures (102,103). At least one dipole radiator (3) is for lower frequency band and at least one radiator (2) radiates in higher frequency band. Spacing of radiator structure, radiator elements, or their top side (102) of higher frequency radiator to reflector plane (E) of 75 to 150 per cent of specified elements. Spacing is also 0.4 to 2 lambda with respect to mean frequency of higher frequency radiator.

IPC 8 full level  
**H01Q 1/24** (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/42** (2015.01); **H01Q 5/48** (2015.01); **H01Q 19/10** (2006.01)

CPC (source: EP KR)  
**H01Q 1/24** (2013.01 - KR); **H01Q 1/246** (2013.01 - EP); **H01Q 5/42** (2015.01 - EP); **H01Q 5/48** (2015.01 - EP); **H01Q 19/108** (2013.01 - EP); **H01Q 21/24** (2013.01 - EP KR)

Cited by  
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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**DE 102004057774 A1 20060601**; **DE 102004057774 B4 20060720**; AT E389957 T1 20080415; CN 101080845 A 20071128; CN 101080845 B 20140827; DE 502005003394 D1 20080430; EP 1817815 A1 20070815; EP 1817815 B1 20080319; ES 2301083 T3 20080616; HK 1111526 A1 20080808; KR 101056296 B1 20110811; KR 20070083723 A 20070824; WO 2006058658 A1 20060608

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