

Title (en)  
Antenna of polygonal shape

Title (de)  
Vieleckige Antenne

Title (fr)  
Antenne en forme polygonale

Publication  
**EP 1361624 A1 20031112 (DE)**

Application  
**EP 03009090 A 20030419**

Priority  
DE 10220670 A 20020510

Abstract (en)  
A multiangular antenna is made as a printed circuit and has a basic triangular form (3) with protruding sides (5, 6) (7, 8) symmetrical about the axis (9) and connection at the foot (10) through the ground plane (11) and can comprise a conducting margin with insulating inner region with additional rod antenna and integrated sheath wave filter. Includes Independent claims for addition of a rod antenna to provide and additional operating band and the use of an integrated sheath wave filter.

Abstract (de)  
Die Erfindung betrifft eine Antenne, insbesondere für den Empfang digitaler terrestrischer Signale wie DVB-T-Signale, wobei die Antennenstruktur die Grundform eines spitzwinkligen Dreieckes (3) aufweist, dessen Seitenkanten (4) einen zumindest einmal spitzförmigen Verlauf haben. <IMAGE>

IPC 1-7  
**H01Q 1/38**; **H01Q 9/30**; **H01Q 9/40**

IPC 8 full level  
**H01Q 1/38** (2006.01); **H01Q 9/40** (2006.01); **H01Q 21/30** (2006.01)

CPC (source: EP)  
**H01Q 1/38** (2013.01); **H01Q 9/40** (2013.01); **H01Q 21/30** (2013.01)

Citation (search report)  
• [X] WO 0122528 A1 20010329 - FRACTUS SA [ES], et al  
• [X] US 5828340 A 19981027 - JOHNSON J MICHAEL [US]  
• [X] US 6157344 A 20001205 - BATEMAN BLAINE REXEL [US], et al  
• [X] WO 0137372 A1 20010525 - CO JOT OY [FI], et al  
• [A] ROTHAMMEL, KARL: "Antennenbuch", 1991, FRANCKH-KOSMOS VERLAGS GMBH, STUTTGART, ISBN: 3-440-05853-0, XP002243039

Cited by  
EP1701408A1; FR2975536A1; JP2005150804A; JP2005094437A; DE102013012776A1; DE102013014170A1; DE102004040420A1; DE102005030240A1; DE102004040401A1; WO2006028212A1

DOCDB simple family (publication)  
**EP 1361624 A1 20031112**; **EP 1361624 B1 20070530**; AT E363744 T1 20070615; DE 50307351 D1 20070712; ES 2287382 T3 20071216

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