

Title (en)
COMPACT WIDEBAND ANTENNA

Title (de)
KOMPAKTE BREITBANDANTENNE

Title (fr)
ANTENNE LARGE BANDE COMPACTE

Publication
EP 1151496 A4 20050112 (EN)

Application
EP 00915737 A 20000203

Priority
• US 0002717 W 20000203
• US 11860099 P 19990204

Abstract (en)
[origin: WO0046874A1] A broadband, compact, omnidirectional antenna (10) usable in the 800-1000 MHz frequency range incorporates an elongated, symmetrical, radiating stud (26) which terminates in a cylindrical metallic radiating cap (22). A cylindrical, non-conductive hollow housing (32) with first and second ends (30a, 30b) surrounds the stud and is closed at one end by the radiating cap. Over all, the length of the antenna is less than a corresponding quarter wave monopole while providing better performance characteristics, and, greater structural stability than metal or whip-type antennas.

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H01Q 1/36; **H01Q 9/36**; **H01Q 1/32**

IPC 8 full level
H01Q 1/36 (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/357** (2015.01); **H01Q 9/36** (2006.01)

CPC (source: EP)
H01Q 1/362 (2013.01); **H01Q 5/357** (2015.01); **H01Q 9/36** (2013.01)

Citation (search report)
• [XY] WO 9421001 A1 19940915 - MOTOROLA INC [US]
• [X] US 3852756 A 19741203 - REESE J
• [Y] US 5218372 A 19930608 - CHENG CHEN-SHENG [TW]
• [A] GB 2317994 A 19980408 - NORTHERN TELECOM LTD [CA]
• See references of WO 0046874A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0046874 A1 20000810; **WO 0046874 A9 20010830**; AU 3696200 A 20000825; EP 1151496 A1 20011107; EP 1151496 A4 20050112

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