

Title (en)  
Antenna

Title (de)  
Antenne

Title (fr)  
Antenne

Publication  
**EP 3035443 A1 20160622 (EN)**

Application  
**EP 14198568 A 20141217**

Priority  
EP 14198568 A 20141217

Abstract (en)  
An antenna (10) is described having on a first side (131) of a plane dielectric substrate (13) a first s layer of conducting material being shaped as a ground conductor (12) of the antenna and forming a boundary (121) around an area of substrate (13) free of ground conductor (12) and on a second side (132) of the substrate (13) a second layer of conducting material forming a monopole (11) of the antenna (10), wherein at least most of the area of substrate (12) covered by the monopole (11) when projected perpendicular onto the first side (131) of the substrate (13) is located within the boundary (121), thus facilitating simulation of the antenna performance and providing possibilities for a more stable mechanical feed connection.

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

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

Citation (applicant)  
RAFAEL LECH ET AL.: "Coplanar Waveguide Fed Ultra-Wideband Antenna Over the Planar and Cylindrical Surfaces", THE 8TH EUROPEAN CONFERENCE ON ANTENNAS & PROPAGATION, 6 April 2014 (2014-04-06), pages 3737 - 3740

Citation (search report)  
• [XYI] US 7061442 B1 20060613 - TANG CHIA-LUN [TW], et al  
• [IY] US 3978487 A 19760831 - KALOI CYRIL M  
• [Y] WO 2009045219 A1 20090409 - QUALCOMM INC [US], et al  
• [Y] BATCHELOR J C ET AL: "Microstrip ring antennas operating at higher order modes for mobile communications", IEE PROCEEDINGS: MICROWAVES, ANTENNAS AND PROPAGATION, IEE, STEVENAGE, HERTS, GB, vol. 142, no. 2, 1 April 1995 (1995-04-01) - 1 April 1995 (1995-04-01), pages 151 - 5, XP006004225, ISSN: 1350-2417, DOI: 10.1049/IP-MAP:19951826

Cited by  
CN110350298A

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
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