

Title (en)
DIELECTRIC RESONATOR ANTENNA

Title (de)
DIELEKTRISCHE RESONATORANTENNE

Title (fr)
ANTENNE À RÉSONATEUR DIÉLECTRIQUE

Publication
EP 3588677 A1 20200101 (EN)

Application
EP 18179474 A 20180625

Priority
EP 18179474 A 20180625

Abstract (en)
A dielectric resonator antenna is disclosed, comprised of: a dielectric material having first and second electrically-conductive elements on first and second substantially opposed surfaces of the dielectric material. The antenna may further comprise a feed structure comprising a substrate positioned adjacent the dielectric material, the substrate comprising one or more feed conductors, and a ground plane adjacent the substrate, the ground plane having one or more apertures therein in substantial respective alignment with the one or more feed conductors.

IPC 8 full level
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CPC (source: EP)
H01Q 9/0414 (2013.01); **H01Q 9/0457** (2013.01); **H01Q 9/0492** (2013.01)

Citation (search report)

- [X] EP 2482383 A2 20120801 - HUAWEI TECH CO LTD [CN]
- [X] US 2014253400 A1 20140911 - TIEZZI FERDINANDO [CH], et al
- [Y] US 9793606 B2 20171017 - BOUTAYEB HALIM [CA], et al
- [XY] KIM D G ET AL: "A dual-polarization aperture coupled stacked microstrip patch antenna for wideband application", ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM (APSURSI), 2010 IEEE, IEEE, PISCATAWAY, NJ, USA, 11 July 2010 (2010-07-11), pages 1 - 4, XP032146106, ISBN: 978-1-4244-4967-5, DOI: 10.1109/APS.2010.5562089

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