

Title (en)
MONOPOLAR WIRE-PLATE ANTENNA FOR DIFFERENTIAL CONNECTION

Title (de)
MONOPOLARE DRAHT-PLATTENANTENNE FÜR DIFFERENTIALVERBINDUNG

Title (fr)
ANTENNE FIL-PLAQUE MONOPOLAIRE POUR CONNEXION DIFFERENTIELLE

Publication
EP 3671955 A1 20200624 (FR)

Application
EP 19219115 A 20191220

Priority
FR 1873957 A 20181221

Abstract (en)
[origin: US2020365994A1] The monopole wire-plate antenna includes a ground plane, a roof arranged at a distance from the ground plane and at least one electrically conductive element electrically linking the ground plane to the roof. The antenna includes a supply loop arranged substantially orthogonally with respect to the ground plane, the supply loop being open such that it has two opposing longitudinal ends arranged so as to be linked to a differential connection.

Abstract (fr)
L'antenne (100) fil-plaque monopolaire comporte un plan de masse (101), un toit (102) agencé à distance du plan de masse (101) et au moins un élément électriquement conducteur (103a) reliant électriquement le plan de masse (101) au toit (102). Cette antenne (100) comporte une boucle d'alimentation (107) agencée de manière sensiblement orthogonale par rapport au plan de masse (101), ladite boucle d'alimentation (107) étant ouverte de telle sorte qu'elle comporte deux extrémités longitudinales (108, 109) opposées agencées de sorte à être reliées à une connexion différentielle.

IPC 8 full level
H01Q 9/04 (2006.01)

CPC (source: EP US)
H01Q 9/0421 (2013.01 - EP); **H01Q 9/045** (2013.01 - EP); **H01Q 9/0457** (2013.01 - EP); **H01Q 9/16** (2013.01 - US); **H01Q 9/30** (2013.01 - US); **H01Q 19/138** (2013.01 - US)

Citation (applicant)

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- CH. DELAVEAUD ET AL., ELECTRONICS LETTERS, vol. 30, no. 1, 6 January 1994 (1994-01-06)
- JONG-HO JUNGKMO PARK: "Electromagnetically Coupled Small Broadband Monopole Antenna", IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, vol. 2, 2003, pages 349 - 351, XP011433176, DOI: 10.1109/LAWP.2004.824171
- P R FOSTERSOE MIN TUN: "Antennas and Propagation", 4 April 1995, CONFÉRENCE PUBLICATION NO. 407, article "A WIDEBAND BALUN FROM COAXIAL LINE TO TEM LINE"

Citation (search report)

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- [X1] JING-YA DENG ET AL: "Broadband Patch Antennas Fed by Novel Tuned Loop", IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 61, no. 4, 3 January 2013 (2013-01-03), pages 2290 - 2293, XP011499638, ISSN: 0018-926X, DOI: 10.1109/TAP.2012.2237497

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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