

Title (en)
BROADBAND OMNIDIRECTIONAL ANTENNA

Title (de)
BREITBANDIGE OMNIDIREKTIONALE ANTENNE

Title (fr)
ANTENNE OMNIDIRECTIONNELLE À LARGE BANDE

Publication
EP 3355409 B1 20210310 (DE)

Application
EP 18153448 A 20180125

Priority
DE 102017101677 A 20170127

Abstract (en)
[origin: US2018219282A1] A broadband omnidirectional antenna comprises a first radiator which is galvanically isolated from a base plate and extends away therefrom. The first radiator has a first end comprising a foot and/or feed-in point and a second end which is opposite the first end, and radiator surfaces which originate in the region of the first end and extend towards the second end. A second radiator comprises at least one radiator surface, the second radiator being arranged on the first radiator so as to be galvanically isolated therefrom. It is possible for said second radiator to be fed exclusively by the first radiator. The radiator surfaces of the second radiator are arranged as a continuation of the first radiator or the at least one radiator surface of the second radiator is arranged in the region of the second end of the first radiator so as to be in parallel with the base plate.

IPC 8 full level
H01Q 1/00 (2006.01); **H01Q 9/40** (2006.01)

CPC (source: CN EP US)
H01Q 1/36 (2013.01 - CN); **H01Q 1/42** (2013.01 - US); **H01Q 1/48** (2013.01 - CN); **H01Q 1/50** (2013.01 - CN); **H01Q 1/521** (2013.01 - US); **H01Q 9/40** (2013.01 - EP US); **H01Q 1/007** (2013.01 - EP US)

Citation (examination)

- US 2014184467 A1 20140703 - YONA HAIM [IL]
- DE 102014013926 A1 20160324 - LINDENMEIER HEINZ [DE]
- EP 2081256 A1 20090722 - HITACHI INT ELECTRIC INC [JP], et al
- WO 2012144247 A1 20121026 - HARADA IND CO LTD [JP], et al

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

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DE 102017101677 A1 20180802; US 10461415 B2 20191029; US 2018219282 A1 20180802

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