

Title (en)
DUAL-FREQUENCY ANTENNA

Title (de)
DOPPELFREQUENZANTENNE

Title (fr)
ANTENNE À DOUBLE FRÉQUENCE

Publication
EP 3920328 A4 20220309 (EN)

Application
EP 19912442 A 20191227

Priority
• CN 201920139308 U 20190128
• CN 2019129245 W 20191227

Abstract (en)
[origin: EP3920328A1] The present application discloses a dual-frequency antenna, comprising: a PCB provided with a clearance area and a non-clearance area; a single-path metal conduction band which is arranged within the clearance area and a terminal end of which is electrically connected to a ground end of the PCB; and a capacitor connected between an excitation end and the terminal end of the single-path metal conduction band. The dual-frequency antenna can achieve dual-frequency resonance merely by means of a metal conduction band on which the capacitors are connected in series, thus avoiding the problems in the prior art that the space occupied by a multi-branch multi-path structure is large, its size is relatively large, and its resonant frequency band is difficult to adjust.

IPC 8 full level
H01Q 5/321 (2015.01); **H01Q 7/00** (2006.01)

CPC (source: EP)
H01Q 5/321 (2015.01); **H01Q 7/005** (2013.01)

Citation (search report)
• [X] US 2011193757 A1 20110811 - CHOI HYENG-CHEUL [KR], et al
• [XI] US 2018366814 A1 20181220 - LI JIANMING [TW], et al
• [XI] EP 1608035 A1 20051221 - NEC CORP [JP]
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• [A] US 2007285326 A1 20071213 - MCKINZIE WILLIAM E [US]
• See also references of WO 2020155986A1

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)
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DOCDB simple family (publication)
EP 3920328 A1 20211208; EP 3920328 A4 20220309; CN 209329151 U 20190830; WO 2020155986 A1 20200806

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