

Title (en)
PATCH ANTENNA HAVING TWO DIFFERENT RADIATION MODES WITH TWO SEPARATE WORKING FREQUENCIES, DEVICE USING SUCH AN ANTENNA

Title (de)
PATCH-ANTENNE MIT ZWEI VERSCHIEDENEN STRAHLUNGSMODI MIT ZWEI GETRENNTEN ARBEITSFREQUENZEN, VORRICHTUNG MIT EINER SOLCHEN ANTENNE

Title (fr)
ANTENNE PLAQUÉE PRÉSENTANT DEUX MODES DE RAYONNEMENT DIFFÉRENTS À DEUX FRÉQUENCES DE TRAVAIL DISTINCTES, DISPOSITIF UTILISANT UNE TELLE ANTENNE

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Application
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Abstract (en)
[origin: WO2019034760A1] The invention relates to an antenna (1) comprising a ground plane (11), a metal plate (10) arranged facing said ground plane (11), and a supply wire (12) for connecting the plate (10) to a generator (16) or a receiver, such that said antenna (1) has a first resonance frequency in a patch antenna mode. The antenna (1) further comprises a ground wire (13) connecting the plate (10) to the ground plane (11), and a capacitive element (15a, 15b, 15c) arranged in series with the ground wire (13) between the supply wire (12) and the ground plane (11), such that the antenna (1) also has a second resonance frequency in a wire-plate antenna mode.

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