

Title (en)

RADIATION ENHANCER OF WIRELESS APPARATUS, RADIATION SYSTEM AND WIRELESS APPARATUS

Title (de)

STRAHLUNGSVERSTÄRKER FÜR DRAHTLOSES GERÄT, STRAHLUNGSSYSTEM UND DRAHTLOSES GERÄT

Title (fr)

AMPLIFICATEUR DE RAYONNEMENT D'APPAREIL SANS FIL, SYSTÈME DE RAYONNEMENT ET APPAREIL SANS FIL

Publication

EP 3907825 A4 20220302 (EN)

Application

EP 19907537 A 20191226

Priority

- CN 201920013046 U 20190104
- CN 2019128758 W 20191226

Abstract (en)

[origin: EP3907825A1] Disclosed in the present application are a radiation enhancer of a wireless apparatus, a radiation system of the wireless apparatus and the wireless apparatus. The radiation enhancer comprises: a dielectric substrate; a first conductive element, which is mounted on a first side surface of the dielectric substrate; and a second conductive element, which is mounted on a second side surface of the dielectric substrate opposite to the first side surface; wherein the thickness between the first side surface and the second side surface of the dielectric substrate is such that a non-contact and electromagnetic coupling connection of the first conductive element and the second conductive element is enabled. The present radiation enhancer has a simple structure and is easy to process and fabricate. By means of the present application, radiation efficiency is met while simultaneously effectively lowering costs.

IPC 8 full level

H01Q 1/38 (2006.01); **H01Q 5/335** (2015.01)

CPC (source: EP KR)

H01Q 1/38 (2013.01 - EP KR); **H01Q 5/335** (2015.01 - EP); **H01Q 19/02** (2013.01 - KR)

Citation (search report)

See references of WO 2020140824A1

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)

EP 3907825 A1 20211110; **EP 3907825 A4 20220302**; CN 209607916 U 20191108; JP 2022517570 A 20220309; JP 7237161 B2 20230310; KR 102521291 B1 20230412; KR 20210102459 A 20210819; WO 2020140824 A1 20200709

DOCDB simple family (application)

EP 19907537 A 20191226; CN 2019128758 W 20191226; CN 201920013046 U 20190104; JP 2021539047 A 20191226; KR 20217024414 A 20191226