

Title (en)

ANTENNA ARRANGEMENT FOR AN ELECTRONIC KEY

Title (de)

ANTENNENANORDNUNG FÜR EINEN ELEKTRONISCHEN SCHLÜSSEL

Title (fr)

AGENCEMENT D'ANTENNE POUR UNE CLÉ ÉLECTRONIQUE

Publication

**EP 4283787 A1 20231129 (EN)**

Application

**EP 22465535 A 20220525**

Priority

EP 22465535 A 20220525

Abstract (en)

An antenna arrangement for an electronic key comprises a printed circuit board (202) arranged inside a housing (200) of the electronic key, an antenna (208) arranged on the printed circuit board (202) and inside the housing (200), a processing unit (204) arranged on the printed circuit board (202) and inside the housing (200), and configured to control the antenna (208), a power source (206) arranged on the printed circuit board (202) and inside the housing (200), and configured to provide power to the antenna arrangement, and a conductive layer (210) arranged on the outside of the housing (200) and capacitively coupled to the antenna (208).

IPC 8 full level

**H01Q 9/36** (2006.01); **H01Q 1/22** (2006.01); **H01Q 1/32** (2006.01); **H01Q 1/40** (2006.01); **H01Q 5/25** (2015.01); **H01Q 5/378** (2015.01)

CPC (source: EP)

**H01Q 1/2216** (2013.01); **H01Q 1/3241** (2013.01); **H01Q 1/40** (2013.01); **H01Q 5/25** (2015.01); **H01Q 5/378** (2015.01); **H01Q 9/36** (2013.01)

Citation (search report)

- [XAI] US 2016301127 A1 20161013 - SONODA RYUTA [JP], et al
- [XAI] US 2021053531 A1 20210225 - PANHWAR MUHAMMAD FAWAD [DE]
- [A] WO 2020167627 A1 20200820 - SONY CORP [JP], et al
- [A] US 2012068902 A1 20120322 - CLOW NATHAN [GB], 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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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