

Title (en)
PROTECTIVE ANTENNA COVER FOR VEHICLES

Title (de)
ANTENNENSCHUTZHAUBE FÜR FAHRZEUGE

Title (fr)
CAPOT DE PROTECTION D'ANTENNE POUR VÉHICULE

Publication
EP 3430679 B1 20210106 (DE)

Application
EP 17720805 A 20170503

Priority
• DE 102016005517 A 20160504
• DE 102016010200 A 20160822
• EP 2017060477 W 20170503

Abstract (en)
[origin: WO2017191161A1] A closed-loop radiator for receiving circularly polarized satellite radio signals underneath a shell-type protective antenna cover made of dielectric plastic comprises a closed-loop conductor and vertical radiators that are connected thereto; the closed-loop conductor and the vertical radiators are applied as a coating to the inner surface of the protective antenna cover and form an electrically conducting, interconnected antenna structure.

IPC 8 full level
H01Q 1/32 (2006.01); **H01Q 1/38** (2006.01); **H01Q 1/40** (2006.01); **H01Q 7/00** (2006.01)

CPC (source: EP US)
H01Q 1/3275 (2013.01 - EP US); **H01Q 1/38** (2013.01 - EP US); **H01Q 1/405** (2013.01 - EP US); **H01Q 7/00** (2013.01 - EP US)

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

DOCDB simple family (publication)
DE 102016010200 A1 20171109; CN 109075433 A 20181221; CN 109075433 B 20210910; EP 3430679 A1 20190123; EP 3430679 B1 20210106; JP 2019515568 A 20190606; US 10622710 B2 20200414; US 2019140345 A1 20190509; WO 2017191161 A1 20171109

DOCDB simple family (application)
DE 102016010200 A 20160822; CN 201780025631 A 20170503; EP 17720805 A 20170503; EP 2017060477 W 20170503; JP 2018557861 A 20170503; US 201716098850 A 20170503