

Title (en)  
ANTENNA ARRANGEMENT FOR A VEHICLE

Title (de)  
ANTENNENANORDNUNG FÜR EIN FAHRZEUG

Title (fr)  
SYSTÈME D'ANTENNE POUR VÉHICULE

Publication  
**EP 3619769 B1 20200909 (DE)**

Application  
**EP 18743759 A 20180718**

Priority  
• DE 102017213374 A 20170802  
• EP 2018069478 W 20180718

Abstract (en)  
[origin: WO2019025185A1] The present invention relates to an antenna arrangement for a vehicle, wherein a first antenna structure is arranged in a housing of an impedance converter and a second antenna structure is arranged in or on a vehicle pane.

IPC 8 full level  
**H01Q 1/12** (2006.01); **H01Q 1/32** (2006.01); **H01Q 5/307** (2015.01); **H01Q 5/50** (2015.01)

CPC (source: EP US)  
**H01Q 1/1271** (2013.01 - US); **H01Q 1/3291** (2013.01 - EP US); **H01Q 5/307** (2015.01 - EP US); **H01Q 5/50** (2015.01 - EP US);  
**H01Q 1/1271** (2013.01 - EP)

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 102017213374 B3 20181011**; CN 110998970 A 20200410; CN 110998970 B 20210727; EP 3619769 A1 20200311;  
EP 3619769 B1 20200909; US 11056776 B2 20210706; US 2020227815 A1 20200716; WO 2019025185 A1 20190207

DOCDB simple family (application)  
**DE 102017213374 A 20170802**; CN 201880050382 A 20180718; EP 18743759 A 20180718; EP 2018069478 W 20180718;  
US 201816635821 A 20180718