

Title (en)

DAMPING DEVICE FOR AN OUTER PART, ASSEMBLY HAVING A DAMPING DEVICE, AND MOTOR VEHICLE

Title (de)

DÄMPFUNGSEINRICHTUNG FÜR EIN AUßENTEIL, ANORDNUNG MIT EINER DÄMPFUNGSEINRICHTUNG SOWIE KRAFTFAHRZEUG

Title (fr)

DISPOSITIF D'AMORTISSEMENT POUR UNE PARTIE EXTÉRIEURE, AGENCEMENT COMPRENANT UN DISPOSITIF D'AMORTISSEMENT ET VÉHICULE AUTOMOBILE

Publication

**EP 3356851 A1 20180808 (DE)**

Application

**EP 16763529 A 20160913**

Priority

- DE 102015116442 A 20150929
- EP 2016071492 W 20160913

Abstract (en)

[origin: WO2017055071A1] The invention relates to a damping device (5) for an outer part (3) of a motor vehicle (1) for damping vibrations of the outer part (3) caused by an ultrasonic sensor (4) during the transmitting and/or receiving of ultrasonic signals, wherein the damping device (5) has at least two damping elements (7, 8), wherein a first of the damping elements (7) is designed to increase a degree of damping of the outer part (3) in a first temperature range (T1) of the outer part (3) and/or in a first frequency range of the vibrations and a second of the damping elements (8) is designed to increase a degree of damping of the outer part (3) in a second temperature range (T2) of the outer part (3) different from the first temperature range (T1) and/or in a second frequency range of the vibrations different from the first frequency range. The invention also relates to an assembly (2) having at least one damping device (5) and to a motor vehicle (1) having an assembly (2).

IPC 8 full level

**B60R 19/48** (2006.01); **G01S 7/521** (2006.01); **G01S 15/93** (2006.01); **G01S 15/931** (2020.01); **G10K 11/00** (2006.01); **G10K 11/168** (2006.01)

CPC (source: EP US)

**G01S 7/521** (2013.01 - EP US); **G01S 15/931** (2013.01 - EP US); **G10K 11/002** (2013.01 - EP US); **G10K 11/168** (2013.01 - EP US); **G01S 2015/937** (2013.01 - EP US); **G01S 2015/938** (2013.01 - EP US)

Citation (search report)

See references of WO 2017055071A1

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)

**DE 102015116442 A1 20170330**; EP 3356851 A1 20180808; US 11056091 B2 20210706; US 2018308464 A1 20181025; WO 2017055071 A1 20170406

DOCDB simple family (application)

**DE 102015116442 A 20150929**; EP 16763529 A 20160913; EP 2016071492 W 20160913; US 201615763476 A 20160913