Title (en)

DOOR HANDLE ASSEMBLY FOR A MOTOR VEHICLE

Title (de)

TÜRGRIFFANORDNUNG FÜR EIN KRAFTFAHRZEUG

Title (fr)

ENSEMBLE POIGNÉE DE PORTE POUR VÉHICULE AUTOMOBILE

Publication

EP 3322868 A1 20180523 (DE)

Application

EP 16736050 A 20160704

Priority

- DE 102015111311 A 20150713
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- DE 102015118525 A 20151029
- EP 15201091 A 20151218
- EP 2016065642 W 20160704

Abstract (en)

[origin: US2018209182A1] A vehicle door handle with a handle component is provided. The handle component includes a hollow body, and an inductive sensor device is arranged in a cavity in order to detect an actuation of the handle component. A support having a support fastening section and a self-supporting section connected to the latter are arranged in the cavity, wherein the support fastening section is secured to the vehicle door handle, and wherein the self-supporting section of the support extends in the interior of the cavity at a distance from the wall surfaces of the handle component such that the self-supporting section of the support is mechanically decoupled from the wall surfaces of the handle component. The inductive sensor device is held in the self-supporting section, wherein a metallic material is arranged in at least one section of those wall surfaces of the handle component which surround the self-supporting section.

IPC 8 full level

E05B 1/00 (2006.01); **E05B 81/76** (2014.01); **E05B 85/10** (2014.01)

CPC (source: EP US)

E05B 1/0015 (2013.01 - US); **E05B 81/76** (2013.01 - EP US); **E05B 81/77** (2013.01 - EP US); **E05B 85/10** (2013.01 - EP US)

Citation (search report)

See references of WO 2017009077A1

Cited by

CN112814503A; CN114718399A

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

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BA ME

DOCDB simple family (publication)

US 10975601 B2 20210413; **US 2018209182 A1 20180726**; CN 107835883 A 20180323; CN 107835883 B 20200110; CN 107849865 A 20180327; CN 107849865 B 20200616; CN 107849866 A 20180327; CN 107849866 B 20200925; CN 107849875 A 20180327; CN 107849875 B 20200602; EP 3322868 A1 20180523; EP 3322868 B1 20200304; EP 3322870 A1 20180523; EP 3322870 B1 20211013; US 11286694 B2 20220329; US 11365570 B2 20220621; US 11486169 B2 20221101; US 2018230717 A1 20180816; US 2019017302 A1 20190117; US 2019017303 A1 20190117

DOCDB simple family (application)

US 201615744662 A 20160704; CN 201680041184 A 20160704; CN 201680041405 A 20160704; CN 201680041681 A 20160701; CN 201680041682 A 20160704; EP 16736049 A 20160704; EP 16736050 A 20160704; US 201615744624 A 20160704; US 201615745106 A 20160701; US 201615745108 A 20160704