

Title (en)

Manually actuated sensor assembly in a wall of a motor vehicle door handle

Title (de)

Manuell betätigbare Sensoranordnung in einer Wandung eines Kraftfahrzeugtürgriffs

Title (fr)

Agencement de capteur pouvant être actionné manuellement dans une paroi d'une poignée de véhicule automobile

Publication

EP 2088267 A3 20110803 (DE)

Application

EP 09152594 A 20090211

Priority

DE 102008000273 A 20080211

Abstract (en)

[origin: EP2088267A2] The arrangement has a sensor section at an outer side of a wall section (4) of a wall (3). The wall encloses electrical components and another sensor section (6) i.e. Hall sensor, and is insulated against the environment. The former sensor section has a deformable mechanical element i.e. snapping panel (8), with stable resting and metastable states, and the element is arranged in a recess (7) of the wall. An abrupt transition in a metastable state leads to a tactile feedback signal, which is tangible to a user. The transition is caused by a manual force effect on an outer side of the element.

IPC 8 full level

E05B 65/20 (2006.01)

CPC (source: EP)

E05B 39/007 (2013.01); **E05B 47/0011** (2013.01); **E05B 81/76** (2013.01); **E05B 81/77** (2013.01)

Citation (search report)

- [Y] EP 1763048 A1 20070314 - AISIN SEIKI [JP]
- [YD] DE 19805659 C1 19990318 - BOSCH GMBH ROBERT [DE]
- [A] US 5561278 A 19961001 - RUTTEN PHILLIP [US]
- [A] DE 102006010811 A1 20070913 - HUF HUELSBECK & FUERST GMBH [DE]
- [A] DE 10241220 C1 20031002 - INOVAN STROEBE [DE]

Cited by

US12000181B2; FR3038642A1; US2014367975A1; US9353557B2; EP3054069A1; JP2021505797A; CN115419334A; US11946293B2; US9995065B2; EP3734002A1; EP4258312A3; CN112543837A; US2021238897A1; WO2018162108A1; US10428562B2; WO2019113056A1; US11441341B2; US11739573B2; EP3322869B1

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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