

Title (en)

Door handle incorporating an electronic module, in particular for a vehicle

Title (de)

Türgriff mit Elektronikmodul insbesondere für Kraftfahrzeuge

Title (fr)

Poignée d'ouvrant intégrant un module électronique, notamment pour véhicule automobile

Publication

**EP 1284335 B2 20150527 (FR)**

Application

**EP 02018336 A 20020814**

Priority

- EP 02018336 A 20020814
- EP 01830539 A 20010816

Abstract (en)

[origin: EP1284335A1] The module (10) includes a presence sensor with measuring electrode for detection of a user near to the door handle surface (7,8). Fittings (16,17) are provided for positioning the module so that the electrode is at a predetermined distance from the surface. The first fitting has a pressure surface designed to press the module end (11) against the internal wall of a housing (9). The door handle for a road vehicle includes: (a) an internal housing (9) in the handle; (b) an electronic module (10) fitted inside the housing. Also are included a module fixing (16) and liquid ingress seal (17). A pressure surface is located on an elastically deformable foot supported on the part which is fixed in the housing by adhesive, or clips or a pin. The housing has a module insertion opening (13) and the fitting includes a cover for the opening. Both fitting and cover are made from a single injection molded plastics material part.

IPC 8 full level

**E05B 81/76** (2014.01); **E05B 65/20** (2006.01); **E05B 65/26** (2006.01); **E05B 85/16** (2014.01); **E05B 17/00** (2006.01)

CPC (source: EP)

**E05B 77/34** (2013.01); **E05B 81/76** (2013.01)

Citation (opposition)

Opponent :

- DE 19961360 A1 20010705 - BOSCH GMBH ROBERT [DE]
- FR 2217784 A1 19740906 - MILLY LUCIEN [FR]
- EP 1031683 A1 20000830 - VALEO SICUREZZA ABITACOLO SPA [IT]

Cited by

EP1398434A3; EP2811091A3; CN113090141A; EP1447498A3; DE102009057005A1; DE102004019627C5; DE102005001521A1; US2016138304A1; US10501966B2; US7763816B2; US8636309B2; US9953525B2; WO2006106033A1; WO2013186077A3; WO2008107046A1; US10173581B2; US10661705B2; US9776556B2; US10351052B2; US11130442B2; US11440463B2; US12012034B2; US10576896B2; US10703285B1; US11052826B2; US11597322B2; US11970115B2

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**EP 1284335 A1 20030219**; **EP 1284335 B1 20080409**; **EP 1284335 B2 20150527**; ES 2305163 T3 20081101

DOCDB simple family (application)

**EP 02018336 A 20020814**; ES 02018336 T 20020814