

Title (en)

TACTILE-SURFACE CONTROL MODULE, IN PARTICULAR FOR A MOTOR VEHICLE

Title (de)

TAST-OBERFLÄCHENSTEUERMODUL, INSBESONDERE FÜR EIN KRAFTFAHRZEUG

Title (fr)

MODULE DE COMMANDE À SURFACE TACTILE, EN PARTICULIER POUR VÉHICULE AUTOMOBILE

Publication

**EP 2215642 B1 20140122 (FR)**

Application

**EP 08851929 A 20081113**

Priority

- EP 2008065481 W 20081113
- FR 0708146 A 20071120

Abstract (en)

[origin: WO2009065767A1] The present invention relates to a tactile-surface control module comprising: a flexible protection layer (9), at least one monostable switch (11) and a rigid mechanical supporting member (13) letting through the light from at least one light source and defining regions for backlighting the flexible protection layer (9), characterized in that said supporting member (13) further includes at least one passage (21) for activating the monostable switch (11), by deformation of the flexible protection layer (9), and in that the module includes a sheet (19) made of incompressible material sandwiched between said rigid mechanical supporting member (13) and the flexible protection layer (9), the sheet (19) defining at least one pivoting arm (23) comprising a hinge (25), joined to said supporting member (13), and a pivoting free end (27) having an actuating lug (29) placed facing a passage (21) in said supporting member (13) for actuating the monostable switch (11).

IPC 8 full level

**H01H 13/70** (2006.01)

CPC (source: EP KR US)

**H01H 13/70** (2013.01 - KR); **H01H 13/702** (2013.01 - EP US); **H01H 2209/06** (2013.01 - EP US); **H01H 2209/082** (2013.01 - EP US); **H01H 2221/07** (2013.01 - EP US); **H01H 2221/074** (2013.01 - EP US); **H01H 2221/076** (2013.01 - EP US); **H01H 2223/003** (2013.01 - EP US); **H01H 2229/028** (2013.01 - EP US); **H01H 2231/026** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

**FR 2923921 A1 20090522**; **FR 2923921 B1 20091218**; CN 101868841 A 20101020; CN 101868841 B 20130320; EP 2215642 A1 20100811; EP 2215642 B1 20140122; JP 2011503755 A 20110127; JP 5607534 B2 20141015; KR 101566043 B1 20151104; KR 20100087721 A 20100805; US 2011006930 A1 20110113; US 9263208 B2 20160216; WO 2009065767 A1 20090528

DOCDB simple family (application)

**FR 0708146 A 20071120**; CN 200880116741 A 20081113; EP 08851929 A 20081113; EP 2008065481 W 20081113; JP 2010534447 A 20081113; KR 20107010977 A 20081113; US 74274808 A 20081113