Title (en)
    CONTROL MODULE, IN PARTICULAR FOR AN AUTOMOTIVE VEHICLE MODULE

Title (de)
    STEUERMODUL INSBESONDERE FÜR EIN AUTOMOTIVE-FAHRZEUGMODUL

Title (fr)
    MODULE DE COMMANDE, EN PARTICULIER POUR VEHICULE AUTOMOBILE

Publication
    EP 2054904 A1 20090506 (FR)

Application
    EP 07787947 A 20070726

Priority
    • EP 2007057728 W 20070726
    • FR 0607483 A 20060823

Abstract (en)
    [origin: WO2008022872A1] The present invention relates to a control module that comprises at least one touch control surface (3) made of a
    sensor (31) sensitive to the pressure applied on the touch surface (3) and of a flexible protection layer (33) covering said sensor (31) and allowing
    a pressure to be locally transmitted to the sensor. The module further includes a rigid mechanical support (15) in which openings (27) are formed,
    allowing therethrough the light from at least one light source (25) and defining back-lighting regions of the touch surface (3), and a plate (20) of an
    incompressible material and transparent to the light which is sandwiched between the mechanical support (15) and the sensor (31) and defines a
    continuous smooth surface at the touch surface (3), wherein the sensor (31) and the flexible protection layer (33) are made so as to allow the light at
    least partially through the back-lighting regions.

IPC 8 full level
    H01H 13/704 (2006.01)

CPC (source: EP US)
    H01H 13/704 (2013.01 - EP US); H01H 2209/016 (2013.01 - EP US); H01H 2209/038 (2013.01 - EP US); H01H 2209/082 (2013.01 - EP US);
    H01H 2219/036 (2013.01 - EP US)

Citation (search report)
    See references of WO 2008022872A1

Designated contracting state (EPC)
    AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
    AL BA HR MK RS

DOCDB simple family (publication)
    WO 2008022872 A1 20080228; EP 2054904 A1 20090506; EP 2054904 B1 20120808; ES 2393001 T3 20121217; FR 2905195 A1 20080229;
    FR 2905195 B1 20081010; JP 2010501974 A 20100121; JP 5038422 B2 20121003; US 2010020028 A1 20100128; US 8773363 B2 20140708

DOCDB simple family (application)
    EP 2007057728 W 20070726; EP 07787947 A 20070726; ES 07787947 T 20070726; FR 0607483 A 20060823; JP 2009524993 A 20070726;
    US 43825907 A 20070726