

Title (en)
CONTROL MODULE OF A VEHICLE

Title (de)
STEUERUNGSMODUL EINES FAHRZEUGS

Title (fr)
MODULE DE COMMANDE D'UN VÉHICULE

Publication
EP 4035509 A1 20220803 (DE)

Application
EP 20768005 A 20200903

Priority
• DE 102019126129 A 20190927
• EP 2020074582 W 20200903

Abstract (en)
[origin: WO2021058252A1] The invention relates to a control module (2) of a vehicle, comprising a plurality of electromechanical functional elements (8) which are arranged on a carrier plate (4) and fixed in an interlocking and force-fitting manner to the carrier plate (4) by means of clamping elements, wherein the clamping elements are formed on a pressure plate (14) which is secured to spacers (6) of the carrier plate (4). In order to simplify production and fitting of the pressure plate (14) which is provided with the clamping elements and in order to be able to use them with functional elements (8) having different structural heights, provision is made for the spacers (6) to have a slightly greater height (H) than the structural height (HB) of the highest functional element (8), and for the pressure plate (14) for each of the functional elements (8) to be provided with at least one clamping element which is designed as a clamping lug (20, 20'), wherein the clamping lugs (20, 20') are each arranged at an opening (18, 18') in the pressure plate (14), which opening is partially closed by said clamping lugs, and are designed in a manner angled in the direction of the carrier plate (4).

IPC 8 full level
H05K 5/00 (2006.01); **F16H 61/00** (2006.01)

CPC (source: CN EP US)
F16B 2/02 (2013.01 - CN); **F16B 2/065** (2013.01 - CN); **F16H 61/0003** (2013.01 - CN US); **F16H 61/0009** (2013.01 - CN); **F16K 27/003** (2013.01 - US); **H05K 5/0082** (2013.01 - EP US); **H05K 7/02** (2013.01 - CN); **H05K 7/14** (2013.01 - CN); **F16H 61/0009** (2013.01 - EP); **G01D 11/305** (2013.01 - US)

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2021058252 A1 20210401; CN 114423955 A 20220429; DE 102019126129 A1 20210401; EP 4035509 A1 20220803; US 2022333682 A1 20221020

DOCDB simple family (application)
EP 2020074582 W 20200903; CN 202080066297 A 20200903; DE 102019126129 A 20190927; EP 20768005 A 20200903; US 202017763787 A 20200903