

Title (en)

MOTOR VEHICLE OF MODULAR DESIGN AND VARIOUS MODULES FOR SUCH A MOTOR VEHICLE

Title (de)

KRAFTFAHRZEUG IN MODULBAUWEISE SOWIE DIVERSE MODULE FÜR EIN SOLCHES KRAFTFAHRZEUG

Title (fr)

VÉHICULE À MOTEUR DE TYPE MODULAIRE ET DIVERS MODULES POUR UN VÉHICULE À MOTEUR DE CE TYPE

Publication

EP 4188779 A2 20230607 (DE)

Application

EP 21751572 A 20210728

Priority

- DE 102020119987 A 20200729
- DE 102020119989 A 20200729
- DE 102020120081 A 20200729
- DE 102020119988 A 20200729
- DE 102020119990 A 20200729
- DE 102021104053 A 20210219
- EP 2021071204 W 20210728

Abstract (en)

[origin: WO2022023443A2] The invention relates to a motor vehicle of modular design, comprising at least three structure modules, wherein two mutually adjacent structure modules of the motor vehicle are releasably connected to one another both in the vehicle longitudinal direction and in the vehicle transverse direction. The invention also relates to a motor vehicle comprising at least three structure modules, wherein a rear-axle module comprises at least a first drive, and wherein a front-axle module comprises an asynchronous motor which is effectively coupled to at least a third wheel of the motor vehicle. The invention also relates to a motor vehicle comprising at least three structure modules, wherein at least one of the structure modules has at least a first tunnel, in which an energy store and/or a fuel tank and/or a pressure store is received. The invention additionally relates to a motor vehicle comprising at least three structure modules, wherein reinforcement means are arranged within a side member component and/or a cross member component of the structure module in order to increase the rigidity of the structure module at least in some sections and/or in some regions. The invention also relates to a method and to a device for assembling the motor vehicle. The invention additionally relates to a rear-end module, a front module, a passenger module and an extension module. The invention also relates to a motor vehicle comprising the described modules.

IPC 8 full level

B62D 27/06 (2006.01); **B60K 1/02** (2006.01); **B60K 1/04** (2019.01); **B60K 17/354** (2006.01); **B62D 27/02** (2006.01); **B62D 63/02** (2006.01); **B62D 65/02** (2006.01); **B62D 65/04** (2006.01)

CPC (source: EP)

B62D 27/023 (2013.01); **B62D 27/065** (2013.01); **B62D 63/025** (2013.01); **B62D 65/024** (2013.01); **B62D 65/04** (2013.01); **B60K 1/02** (2013.01); **B60K 1/04** (2013.01); **B60K 17/354** (2013.01)

Citation (search report)

See references of WO 2022023443A2

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022023443 A2 20220203; **WO 2022023443 A3 20220324**; EP 4188779 A2 20230607

DOCDB simple family (application)

EP 2021071204 W 20210728; EP 21751572 A 20210728