

Title (en)
DEVICE FOR MOUNTING AN ENGINE

Title (de)
VORRICHTUNG ZUR MOTORLAGERUNG

Title (fr)
DISPOSITIF POUR LE SUPPORT DE MOTEUR

Publication
EP 3823853 A1 20210526 (DE)

Application
EP 19737721 A 20190708

Priority
• DE 102018117092 A 20180716
• EP 2019068268 W 20190708

Abstract (en)
[origin: WO2020016042A1] The invention relates to a device (10, 110) for mounting an engine for a motor vehicle, preferably a commercial vehicle. The device (10, 110) comprises an internal grid frame (12, 112) and lateral reinforcing plates (22, 26, 122, 126) which are attached on both sides of the internal grid frame (12, 112) so as to form a sandwich structure with the internal grid frame (12, 112). The device (10, 110) also comprises a first engine bearing (18) which is arranged and at least partly housed in a space (16) in the internal grid frame (12), and/or a second engine bearing (118) which is arranged on the outside, with respect to the internal grid frame (112), on one of the lateral reinforcing plates (122). The lateral reinforcing plates (22, 26, 122, 126) are able to reduce local stresses on the grid frame (12, 122) and the engine bearings (18, 18) by bracing against a bending moment caused by the force of gravity of the mounted engine. Local and global deformations of the frame structure are prevented or at least reduced thereby.

IPC 8 full level
B60K 5/12 (2006.01)

CPC (source: EP)
B60K 5/12 (2013.01); **B60K 5/1216** (2013.01); **B60Y 2200/14** (2013.01)

Citation (search report)
See references of WO 2020016042A1

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 2020016042 A1 20200123; BR 112020025393 A2 20210309; CN 112399927 A 20210223; DE 102018117092 A1 20200116; DE 102018117092 B4 20220421; EP 3823853 A1 20210526

DOCDB simple family (application)
EP 2019068268 W 20190708; BR 112020025393 A 20190708; CN 201980046695 A 20190708; DE 102018117092 A 20180716; EP 19737721 A 20190708