Title (en)

POWER UNIT ASSEMBLY

Title (de)

ANTRIEBSEINHEIT

Title (fr)

ENSEMBLE BLOC D'ALIMENTATION

Publication

EP 4128500 A4 20240612 (EN)

Application

EP 21780423 A 20210401

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Abstract (en)

[origin: WO2021197410A1] A power unit assembly (1000) including a power unit (100) is disclosed. The power unit (100) includes: a power structure (32) having a plurality of pins (331,332,333); and a plurality of bus bars (201,202,203), arranged to be stacked. At least one of the pins (331,332,333) is connected, in a form of penetrating only one layer of the bus bars (201,202,203), to the penetrated bus bar (201,202,203), and the at least one of the pins (331,332,333) is staggered and electrically insulated from the remaining bus bars (201,202,203). For the power unit assembly (1000), the pin (331,332,333) is connected, in the form of penetrating only one layer of the bus bars (201,202,203), to the penetrated bus bar (201,202,203) and is staggered from the other bus bars (201,202,203), such that the number of holes punched on the other bus bars (201,202,203) can be reduced, thereby simplifying a manufacturing process of the bus bar (201,202,203) and achieving the better electrical insulation performance.

IPC 8 full level

H02M 1/00 (2006.01); **H02M 7/00** (2006.01); **H05K 1/18** (2006.01); **H05K 7/14** (2006.01)

CPC (source: EP)

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Citation (search report)

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- [Y] US 2019036461 A1 20190131 - BÖHMER JÜRGEN [DE], et al
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- See also references of WO 2021197410A1

Designated contracting state (EPC)

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