

Title (en)  
POWER UNIT ASSEMBLY

Title (de)  
ANTRIEBSEINHEIT

Title (fr)  
ENSEMBLE BLOC D'ALIMENTATION

Publication  
**EP 4128500 A1 20230208 (EN)**

Application  
**EP 21780423 A 20210401**

Priority  

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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.

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