

Title (en)

POWER ELECTRONICS SYSTEM WITH BUSBARS OF HOLLOW DESIGN FOR DIRECT CAPACITOR COOLING; AND ELECTRIC MOTOR

Title (de)

LEISTUNGSELEKTRONIK MIT HOHL AUSGEBILDETEN STROMSCHIENEN ZUR DIREKTEN KONDENSATORKÜHLUNG; SOWIE ELEKTROMOTOR

Title (fr)

ÉLECTRONIQUE DE PUISSANCE AVEC BARRES OMNIBUS CONÇUES DE FORME CREUSE POUR LE REFROIDISSEMENT DIRECT DE CONDENSATEURS, AINSI QUE MOTEUR ÉLECTRIQUE

Publication

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Application

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Abstract (en)

[origin: WO202221389A1] The invention relates to a power electronics system (1) for an electric motor (20) of a motor vehicle drive, comprising a first busbar (2), a second busbar (3) which is electrically insulated relative to the first busbar (2), and at least one capacitor (4), wherein the at least one capacitor (4), by way of its first electrode (5), makes contact with a plate-like receiving region (6) of the first busbar (2) and, by way of its second electrode (7), makes contact with a plate-like receiving region (8) of the second busbar (3), wherein at least one of the two busbars (2, 3) is of hollow design, with direct formation of a cooling duct (9a, 9b). The invention additionally relates to an electric motor (20) comprising this power electronics system (1).

IPC 8 full level

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Citation (search report)

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