

Title (en)

CHOKE FOR A POWER ELECTRONICS SYSTEM

Title (de)

DROSSEL FÜR LEISTUNGSELEKTRONIK

Title (fr)

BOBINE D'ARRÊT POUR UN SYSTÈME ÉLECTRONIQUE DE PUISSANCE

Publication

EP 4189713 A1 20230607 (DE)

Application

EP 21751794 A 20210728

Priority

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Abstract (en)

[origin: WO2022028980A1] The invention relates to a choke for a power electronics system. The choke has an inductance in the region of 10 μ H to 2 mH and a current carrying capacity of 1 A or more. The choke comprises an amorphous core material (1) and at least one winding (6). The winding (6) is designed as an outer winding surrounding the amorphous core material (1) and made of copper or a copper alloy. The amorphous core material (1) has a saturation magnetostriction in the region of 10⁻⁷ and 10⁻⁵ and/or a static coercivity of max. 30 A/m.

IPC 8 full level

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