

Title (en)

STATOR CORE FOR AN ELECTRIC MACHINE

Title (de)

STATORKERN FÜR EINE ELEKTRISCHE MASCHINE

Title (fr)

NOYAU DE STATOR POUR MACHINE ÉLECTRIQUE

Publication

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Application

EP 09769143 A 20090615

Priority

- EP 2009057362 W 20090615
- DE 102008002613 A 20080624

Abstract (en)

[origin: WO2009156294A1] The invention relates to a stator core for an electric machine, in particular for the generator of a motor vehicle. Said stator core is laminated or wound from segments (12, 14) that are punched and/or cut out in a tooth-forming manner from a preferably strip-shaped magnetic steel sheet (10) and form a plurality of notches (40) and teeth (39). The region of the tooth flank (20) and the notch flank (22) is punched in such a way that the tooth width (P) and the notch width (N) are substantially constant in the unbent segments (12, 14) along the entire length (A) of the teeth. The ratio (a) between the tooth width (P) and the notch pitch (T) is greater than 0.38 and smaller than 0.5, thus minimizing magnetic resistance and limiting the amount of scrap to a level lying within the geometrical and production-related possibilities.

IPC 8 full level

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CPC (source: EP)

H02K 1/165 (2013.01); **H02K 15/026** (2013.01)

Citation (search report)

See references of WO 2009156294A1

Citation (examination)

WO 2007145471 A2 20071221 - LG ELECTRONICS INC [KR], et al

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