

Title (en)

LAMINATED CORE OF A STATOR OR A ROTOR AND ELECTRICAL MACHINE

Title (de)

BLECHPAKET EINES STATORS ODER EINES LÄUFERS SOWIE EINE ELEKTRISCHE MASCHINE

Title (fr)

NOYAU FEUILLETÉ D'UN STATOR OU D'UN ROTOR ET MACHINE ÉLECTRIQUE

Publication

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Application

**EP 15747109 A 20150717**

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Abstract (en)

[origin: WO2016020174A2] The invention relates to a laminated core (14). A laminated core (14) can be contained in a rotor (11) and/or in a stator (15) of an electrical machine (12). The laminated core (14) comprises at least one first sheet metal assembly (35) and at least one second sheet metal assembly (36). The first sheet metal assembly (35) is formed by stacking a plurality of first sheet metal parts (10). The second sheet metal assembly (36) is formed by stacking a plurality of second sheet metal parts (13). The two sheet metal assemblies (35, 36) are arranged alternately lying one against the other in a stacking direction (A). Every first sheet metal part (10) has first teeth which project from a connecting piece (18) radially relative to the axis of rotation (M) and end at a free end (20). Correspondingly, every second sheet metal part (13) has second teeth (26) which project from a second connecting piece (25) and end at a free end (27). The free ends (20) of the first teeth (19) have a first distance from the axis of rotation (M) which is different from the second distance (R2) of the free ends (27) of the second teeth (26) from the axis of rotation (M). Between a first sheet metal assembly (35) and a second sheet metal assembly (36) that lie against each other, there is therefore as step (38). In this way, it is possible to mesh the rotor (11) with an associated stator (15) and to increase the air gap (L) defined between them without increasing the dimensions of the laminated cores (14) in the stacking direction (A).

IPC 8 full level

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CPC (source: CN EP US)

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Citation (search report)

See references of WO 2016020174A2

Citation (examination)

WO 2004032307 A1 20040415 - BOSCH GMBH ROBERT [DE], et al

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