Title (en)

FLAT COMMUTATOR AND METHOD FOR PRODUCING A FLAT COMMUTATOR

Title (de)

PLANKOMMUTATOR UND VERFAHREN ZUR HERSTELLUNG EINES PLANKOMMUTATORS

Title (fr)

COMMUTATEUR PLAN ET PROCEDE POUR REALISER UN COMMUTATEUR PLAN

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Application

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Abstract (en)

[origin: WO2006133872A1] The invention relates to a flat commutator (101) comprising a support body (102) that consists of an electrically insulating material, a large number of connecting segments (108) consisting of an electrically conductive material for connecting at least one respective end of a coil winding and a large number of bearing surface segments (112), which form a bearing surface (14) of the flat commutator (101), said bearing surface segments (112) being connected to the connecting segments (108) in a mechanically permanent, electrically conductive manner and the support body (102) and/or the connecting segments (108) being configured in one piece. The support body (102) is pre-fabricated and comprises openings (118), into which the connecting segments (108) are inserted. The commutator is characterised in that the connecting segments (108) are anchored to the bearing surface segments (112) on the support body (102) by means of the permanent mechanical connection, the openings (118) in the support body (102) comprise an extended section (124, 128) in the vicinity of the end of the connecting segment (108) that faces the bearing surface segments (112), the extended section (124, 128) of the openings (118) forms a receiving chamber for a connecting agent that joins the connecting segments (108) to the bearing surface segments (112) and once the connecting agent has cured, it anchors the connecting segment (108) to the support body (102). The invention also relates to a method for producing a flat commutator.

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