Title (en)

FLAT COMMUTATOR

Title (de)

PLANKOMMUTATOR

Title (fr)

COLLECTEUR PLAT

Publication

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Application

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Abstract (en)

[origin: WO2005062431A1] The invention relates to a flat commutator comprising a bearing body (1), a plurality of conductor segments (3) in addition to an equivalent number of carbon segments (4) which are connected in an electrically conductive manner to the conductor segments in a positive fit. Each carbon segment (4) comprises an annular projection (13) which is disposed opposite the face of the commutator (5), the front surface (15) of said annular projection being in contact with a corresponding annular contact surface (16) of the associated conductor segment (3). The annular-shaped contact surfaces (16) are respectively surrounded by a contact ring (24) of the related conductor segment (3) which is in contact, in gap-free manner, with the associated annular-shaped projection (13). A contact pin (17) projects into each conductor segment, said contact pin engaging, in a gap-free manner, with the corresponding bore (14) of the associated annular-shaped projection (13) of the related carbon segment (4). The carbon segments are also respectively connected in an electrically conductive manner to the conductor segments (3) by means of the outer peripheral surface of the annular-shaped front surface (15) and to the inner peripheral surface of the annular-shaped projection (13).

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