

Title (en)
COMMUTATOR FOR ELECTRIC MOTORS

Title (de)
KOMMUTATOR FÜR ELEKTROMOTOREN

Title (fr)
COMMUTATEUR POUR MOTEURS ELECTRIQUES

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Application
EP 03717114 A 20030227

Priority

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Abstract (en)
[origin: WO03100919A1] The invention relates to a commutator comprising a cylindrical collector (1) arranged on a motor-rotor shaft and contacting means (4, 5) which come into contact with at least two out of several contact blades (3) which are predisposed on the collector (1) during rotation of the collector (1) such that an electrical connection is established between the respective contact blades (3) and external power supply points (21, 22). The commutator is especially resistant to wear and tear such that the contacting means are made of at least two electrically conductive cylinders (4, 5) which are arranged behind each other in an axial direction of the collector (1). The longitudinal axes thereof (6, 7) are arranged parallel to the longitudinal axis (2) of the collector (1) and the at least two cylinders (4, 5) are placed relative to the collector (1) and have a diameter such that the collector (1) rolls off the at least two cylinders (4, 5) during the rotation thereof via the internal surfaces (8) or the external surfaces and each of the provided cylinders (4, 5) exclusively comes into contact with a blade (3) of the collector (3).

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