

Title (en)
COMMUTATOR MOTOR COMPRISING A DEVICE FOR CONTROLLING THE ANGULAR POSITION AND ROTATIONAL SPEED OF THE ARMATURE THEREOF

Title (de)
KOMMUTATORMOTOR MIT EINER EINRICHTUNG ZUR STEUERUNG DER WINKELSTELLUNG UND DREHGESCHWINDIGKEIT SEINER ARMATUR

Title (fr)
MOTEUR A COLLECTEUR MUNI D'UN DISPOSITIF DE CONTROLE DE LA POSITION ANGULAIRE ET DE LA VITESSE DE ROTATION DE SON INDUIT

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Application
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Abstract (en)
[origin: WO2006045930A1] The invention relates to an electric commutator motor comprising a housing and a shaft which is solidly connected to a rotor. According to the invention, the housing comprises a stator and supply brushes (100, 200) which can be connected to an electric power source. The rotor is solidly connected to a commutator with bars (L1, L2, L3, L4, L5, L6, L7, L8) and comprises a set of wound turns, the ends of which are connected to two successive bars of the commutator. The housing comprises at least one additional brush (300) which is positioned close to one of the supply brushes, known as the monitor brush (200), at a distance (D) less than the width (L) of a bar. The additional brush and the monitor brush are of the same thickness and are disposed symmetrically in relation to a diametrical plane of the rotor. The additional brush is connected electrically to a means (310) for counting the pulses generated directly on the additional brush when the monitor brush (200) leaves a bar (L1) of the commutator.

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