

Title (en)
CONTACT-COMMUTATED ELECTRIC MOTOR

Title (de)
KONTAKTKOMMUTIERTER ELEKTROMOTOR

Title (fr)
MOTEUR ÉLECTRIQUE À COMMUTATION PAR CONTACTS

Publication
EP 3100339 A2 20161207 (DE)

Application
EP 14824848 A 20141229

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• DE 102014201379 A 20140127
• EP 2014079389 W 20141229

Abstract (en)
[origin: WO2015110246A2] The invention relates to an electric motor (8), which is equipped with a commutator disk (26), which has contact zones (27) for electrically and mechanically contacting corresponding contact elements (29). A simplified construction results if one of the contact zones (27) is designed as an annular positive-pole zone (32), while one of the contact elements (29) is designed as a positive-pole contact (34), which is in contact with the positive-pole zone (32) and which is electrically connected to a positive-pole connection (35) of the electric motor (8), if one of the contact zones (27) is designed as an annular negative-pole zone (30), while one of the contact elements (29) is designed as a negative-pole contact (31), which is in contact with the negative-pole zone (30) and which is electrically connected to a negative-pole connection (32) of the electric motor (8), if at least one of the contact zones (27) is designed as an annular control zone (36), which is segmented in the circumferential direction (33) into positive-pole segments (38), which are electrically connected to the positive-pole zone (32), and negative-pole segments (39), which are electrically connected to the negative-pole zone (30), and if, for each coil (23), one of the contact elements (29) is designed as a coil contact (37), which is in contact with the particular control zone (36) and which is electrically connected to such a coil (23).

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Citation (search report)
See references of WO 2015110246A2

Citation (examination)
• FR 483168 A 19170606 - JOSEPH PESTARINI [IT]
• JP S494970 Y1 19740205
• US 3906321 A 19750916 - SALIHI JALAL TAWFIQ

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