

Title (en)

ELECTRONICALLY COMMUTATED DC MOTOR WITH SHIELDING

Title (de)

ELEKTRONISCH KOMMUTIERTER GLEICHSTROMMOTOR MIT ABSCHIRMUNG

Title (fr)

MOTEUR À COURANT CONTINU À COMMUTATION ÉLECTRONIQUE POURVU D'UN BLINDAGE

Publication

EP 2856620 A1 20150408 (DE)

Application

EP 13719115 A 20130429

Priority

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- EP 2013058895 W 20130429

Abstract (en)

[origin: WO2013174626A1] In an electronically commutated DC motor having a stator unit (5) and a rotor unit (1) which is in the form of an external rotor, and having stationary sintered bearings (8, 9), the invention proposes that the rotor unit (1) is conductively connected to the shaft (3) in order to connect a conductive shielding, which is formed on the rotor unit (1), to a defined electrical potential, and that the sintered bearing (8, 9) is conductively connected to the potential, so that the shielding of the rotor unit (1) is capacitively coupled to the potential by means of the electrically insulating, oil-filled bearing gap which is arranged between the shaft (3) and the sintered bearing (8, 9). Therefore, a sliding contact is not required.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2013174626A1

Citation (examination)

DE 102010045829 A1 20110414 - JOHNSON ELECTRIC SA [CH]

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