

Title (en)
DIRECT-CURRENT MOTOR WITH A ROTATIONALLY FIXED COMMUTATOR

Title (de)
GLEICHSTROMMOTOR MIT DREHFEST ANGEORDNETEM KOMMUTATOR

Title (fr)
MOTEUR A COURANT CONTINU COMPRENANT UN COMMUTATEUR MONTE ANTI-ROTATIF

Publication
EP 1668765 A1 20060614 (DE)

Application
EP 04766852 A 20040924

Priority

- EP 2004052299 W 20040924
- DE 10344754 A 20030925
- DE 102004042937 A 20040902

Abstract (en)
[origin: WO2005031949A1] The invention relates to a direct-current motor provided with a housing, a rotor and a stator comprising electrical windings. A commutator/carbon-brush system is provided in order to provide the electrical windings with current. The stator encompasses a rotor comprising a shaft and permanent magnets. The commutator is arranged in a rotationally fixed manner and carbon brushes, which can rotate with the rotor and which are post-guidable in relation to the commutator in the direction of wear are provided in order to improve the pump drive so that it can be used in a vehicle system.

IPC 1-7
H02K 13/00; **H02K 23/62**; **H01R 39/06**; **B60T 8/40**

IPC 8 full level
B60T 8/40 (2006.01); **H01R 39/06** (2006.01); **H02K 13/00** (2006.01); **H02K 23/62** (2006.01)

CPC (source: EP KR US)
B60T 8/4022 (2013.01 - EP US); **H01R 39/06** (2013.01 - EP KR US); **H02K 13/00** (2013.01 - KR); **H02K 13/006** (2013.01 - EP US); **H02K 23/62** (2013.01 - EP US)

Citation (search report)
See references of WO 2005031949A1

Designated contracting state (EPC)
DE FR IT

DOCDB simple family (publication)
WO 2005031949 A1 20050407; EP 1668765 A1 20060614; JP 2007507198 A 20070322; KR 20060090673 A 20060814; US 2007035194 A1 20070215

DOCDB simple family (application)
EP 2004052299 W 20040924; EP 04766852 A 20040924; JP 2006527426 A 20040924; KR 20067005933 A 20060325; US 57321904 A 20040924