

Title (en)  
SLIP RING OR COMMUTATOR MOTOR.

Title (de)  
SCHLEIFRING- BZW. KOMMUTATORMOTOR.

Title (fr)  
MOTEUR A BAGUE OU A COLLECTEUR.

Publication  
**EP 0489866 B1 19940406**

Application  
**EP 90914530 A 19900823**

Priority  

- DE 8910428 U 19890831
- DE 9011574 U 19900808
- EP 9001409 W 19900823
- EP 89116123 A 19890831

Abstract (en)  
[origin: US5329198A] In order to be able to ensure with low outlay a slip ring or commutator motor having a high level of freedom from noise and good running quality at maximum power, despite unavoidable deviations from circularity of the slip ring or commutator ground by the brushes abutting thereon, it is proposed according to the invention that the brushes (6; 7; 8) be supported such that they can pivot about an axis which runs radially in the vicinity of the surface and axially essentially in the axial direction of the commutator (1) or slip ring; that, according to one embodiment, the axis be formed by a guide pin (31; 41), which is retained in a brush housing (2) at least partially embracing the brush (6; 7) in the vicinity of the surface of the commutator (1) or the slip ring, and which is plugged axially through a guide slot (61; 71) running in the compression direction of the brush and open towards the surface of the slip ring or commutator (1), or that the brush (6) be tangentially embraced externally by the brush compression spring (3a) in the sense of a support with tangential supporting parts (33a; 34a), which can pivot.

IPC 1-7  
**H02K 13/10**; **H01R 39/40**

IPC 8 full level  
**H01R 39/38** (2006.01); **H01R 39/40** (2006.01); **H02K 13/00** (2006.01); **H02K 13/10** (2006.01)

CPC (source: EP US)  
**H01R 39/381** (2013.01 - EP US); **H01R 39/40** (2013.01 - EP US)

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**US 5329198 A 19940712**; DE 59005292 D1 19940511; EP 0489866 A1 19920617; EP 0489866 B1 19940406; ES 2051024 T3 19940601; JP H05500747 A 19930212

DOCDB simple family (application)  
**US 79341092 A 19920110**; DE 59005292 T 19900823; EP 90914530 A 19900823; ES 90914530 T 19900823; JP 51355990 A 19900823