

Title (en)  
BRUSH HOLDER FOR ELECTRICAL MACHINES

Publication  
**EP 0148474 B1 19871119 (DE)**

Application  
**EP 84115828 A 19841219**

Priority  
DE 3346595 A 19831223

Abstract (en)  
[origin: US4625136A] A brush assembly for an electrical machine has a holder having a pair of generally parallel side walls having confronting inner faces, a guide wall extending along and between the inner faces and in turn having an inner face defining with the faces of the side walls a passage extending in a longitudinal direction and having a longitudinally forwardly open front end, and an angled surface adjacent the front end. The brush in the passage has a longitudinal guide face longitudinally slidable on the inner face of the guide wall but out of contact with the side walls, an opposite longitudinal face turned away from the guide wall, and axially opposite front and rear ends. A coil spring has a coiled part engaged between the angled surface and the opposite brush face at the front end of the brush to transversely urge the brush against the inner face of the guide wall and a free end extending longitudinally back along the opposite face longitudinally past the rear end of the brush. A pusher block is carried on the free end in the passage longitudinally behind and engaging the rear end of the brush. The rear end of the brush and the pusher block have flatly engaging pusher faces extending obliquely of the direction. Thus as the spring seeks to coil up it pushes the brush longitudinally forward in the passage and transmits transverse force between the pusher block and the brush by means of the oblique pusher faces.

IPC 1-7  
**H01R 39/40**

IPC 8 full level  
**H01R 39/24** (2006.01); **H01R 39/38** (2006.01); **H01R 39/40** (2006.01); **H01R 39/415** (2006.01)

CPC (source: EP US)  
**H01R 39/415** (2013.01 - EP US)

Cited by  
CN113572310A; GB2189653A; US5602957A; US5604654A; US5610456A; WO9429935A3

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