

Title (en)
BRUSH HOLDER DEVICE FOR ELECTRIC MACHINES

Publication
EP 0098991 B1 19861001 (DE)

Application
EP 83105918 A 19830616

Priority
DE 3225939 A 19820710

Abstract (en)
[origin: US4475053A] The essentially semi-circular busbar connecting oppositely located positive brushes is shiftably held in seating means provided in the positive brush-holders and in the intermediate negative brush-holder and has an offset extension which can be firmly screwed to the lug of an exciter winding while frictional forces between the busbar and the seating means yield and allow the busbar to take a position that compensates for the accumulation of manufacturing tolerances and results in the elimination of stresses which might otherwise damage the resistance welded connections of the Litz leads of the brushes to the busbar. When the brush-holders are of metal, the seating means involve a plastic insert in a bracket against which the brush-pressure springs bear and when the brush-holders are of insulating plastic, the seating means are provided by features molded onto the brush-holder, in which case it is desirable to provide a wire clip type of spring to bear against the busbar.

IPC 1-7
H01R 39/38; **H02K 5/14**; **H02K 13/00**

IPC 8 full level
H01R 39/00 (2006.01); **H01R 39/38** (2006.01); **H02K 5/14** (2006.01); **H02K 13/00** (2006.01); **H01R 39/16** (2006.01)

CPC (source: EP US)
H01R 39/38 (2013.01 - EP US); **H01R 39/16** (2013.01 - EP US); **Y10T 29/49011** (2015.01 - EP US)

Cited by
EP0553813A3; CN102204035A; CN102025211A; CN112385097A; US11569625B2; WO2010023107A1

Designated contracting state (EPC)
DE FR GB

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