

Title (en)

Brush assembly in a commutator device in an electric machine

Title (de)

Bürstenanordnung in einer Kommutatoreinrichtung in einer elektrischen Maschine

Title (fr)

Dispositif de brosse dans une installation de commutateur dans une machine électrique

Publication

EP 2472679 A1 20120704 (DE)

Application

EP 11194228 A 20111219

Priority

DE 102010064234 A 20101228

Abstract (en)

The assembly has a brush i.e. carbon brush, displaceably guided in a pot-shaped brush support and force-impacted by a helical spring element (2). The spring element is held at a holding element (3) so that the spring and holding elements are combined as a single component. The holding element is fixed at a wall of the support via locking elements, where the support is formed as an injection molding plastic part. The holding element rests against an inwardly-lying bottom of the support. A locking projection (5) is projected into a recess that is formed in the wall.

Abstract (de)

Eine Bürstenanordnung in einer Kommutatoreinrichtung weist eine in einer Bürstenhalterung verschieblich geführte Bürste auf, die von einem Federelement kraftbeaufschlagt ist, das in einem Halteteil gehalten ist. Das Halteteil liegt am innen liegenden Boden der topfförmigen Bürstenhalterung an und ist an der Wandung der Bürstenhalterung fixiert.

IPC 8 full level

H01R 39/38 (2006.01)

CPC (source: EP)

H01R 39/381 (2013.01)

Citation (applicant)

JP 2005223974 A 20050818 - NIDEC SHIBAURA CORP

Citation (search report)

- [X] US 2474601 A 19490628 - THOMAS CHARLES A
- [X] US 5872414 A 19990216 - IIJIMA TATUO [JP]
- [A] DE 3817735 A1 19881208 - MITSUBA ELECTRIC MFG CO [JP]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 11194228 A 20111219; CN 201110461375 A 20111228; DE 102010064234 A 20101228; HU E11194228 A 20111219; PL 11194228 T 20111219