

Title (en)

CUT-OUT BRUSH FOR ELECTRIC HAND TOOL

Title (de)

ABSCHALTBÜRSTE FÜR ELEKTROHANDWERKZEUGMASCHINE

Title (fr)

BALAI DE MISE HORS CIRCUIT POUR MACHINE-OUTIL ELECTRIQUE TENUE A LA MAIN

Publication

**EP 0937320 B1 20041013 (DE)**

Application

**EP 98945040 A 19980723**

Priority

- DE 9802077 W 19980723
- DE 29716245 U 19970910

Abstract (en)

[origin: US6087754A] PCT No. PCT/DE98/02077 Sec. 371 Date Apr. 20, 1999 Sec. 102(e) Date Apr. 20, 1999 PCT Filed Jul. 23, 1998 PCT Pub. No. WO99/13538 PCT Pub. Date Mar. 18, 1999A manual electric machine tool (10), having an electric motor (16), whose commutator (20) can be connected to a voltage source via at least one carbon brush (22) pressed against the commutator (20) by spring means (26), wherein the carbon brush (22) includes a head part (34) and a foot part (35) and has an electric pigtail lead (40) and a turn-off device (38), which at a certain wear of the foot part (35) of the carbon brush (22) automatically disconnects the electrical connection between the voltage source and the commutator (20), gains a longer useful life between service intervals for changing carbon brushes in that the carbon brush (22) is lengthened in the region of its head part (34) by a single axial continuation (36), which serves as a socket for the turn-off device (38) and is dimensioned such that the spring (26) enter flush and integrally into the outer contour of the carbon brush (22) between the outermost outer edges of the head part (34) and of the continuation (36), inside these outer edges.

IPC 1-7

**H01R 39/58**; **H01R 39/38**

IPC 8 full level

**H01R 39/38** (2006.01); **H01R 39/58** (2006.01)

CPC (source: EP US)

**H01R 39/381** (2013.01 - EP US); **H01R 39/58** (2013.01 - EP US)

Cited by

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