

Title (en)  
Carbon brush

Title (de)  
Kohlebürste

Title (fr)  
Balai en charbon

Publication  
**EP 0723318 A3 19961113 (DE)**

Application  
**EP 96104231 A 19930722**

Priority  
• DE 9211524 U 19920902  
• EP 93111727 A 19930722

Abstract (en)  
[origin: EP0723318A2] The carbon brush (110) has a square or cylindrical geometry with sides or ends. One end lies against a commutator or slip ring of an electric motor, this comprises current carrying flexes (120) in the brush (110). A switch off button (118), preferably of insulating material, is spring biased in the longitudinal direction of the brush axis. The brush (110) also has an indicator flex (122). This is arranged and fixed in place with a section (124) of a first recess (116), e.g. a bore, which runs in the longitudinal direction of the brush (110). The indicator flex (122) generates a signal to display a predetermined brush load by alternating with the commutator or slip ring. The indicator flex (122) is fixed in place by a second recess (130). The latter extends from a side (128) of the brush (110).

IPC 1-7  
**H01R 39/58**

IPC 8 full level  
**H01R 39/58** (2006.01); **H01R 39/38** (2006.01)

CPC (source: EP)  
**H01R 39/58** (2013.01); **H01R 39/383** (2013.01)

Citation (search report)  
• [Y] DE 4034030 A1 19920430 - SCHUNK KOHLENSTOFFTECHNIK GMBH [DE]  
• [A] DE 2128457 A1 19711230 - LORRAINE CARBONE  
• [A] DE 2461374 A1 19760708 - RHEINISCHE KOHLEBUERSTENFABRIK  
• [Y] PATENT ABSTRACTS OF JAPAN vol. 7, no. 80 (E - 168) 2 April 1983 (1983-04-02)

Cited by  
DE102012209216A1; JP2015524243A; EP2099102A1; WO2013178791A1

Designated contracting state (EPC)  
AT CH DE FR GB IT LI NL

DOCDB simple family (publication)  
**EP 0585591 A1 19940309; EP 0585591 B1 19970305**; AT E149750 T1 19970315; AT E185455 T1 19991015; DE 59305574 D1 19970410; DE 59309829 D1 19991111; EP 0723318 A2 19960724; EP 0723318 A3 19961113; EP 0723318 B1 19991006

DOCDB simple family (application)  
**EP 93111727 A 19930722**; AT 93111727 T 19930722; AT 96104231 T 19930722; DE 59305574 T 19930722; DE 59309829 T 19930722; EP 96104231 A 19930722