

Title (en)

Brush spring for slip-ring current collector

Title (de)

Bürstenfeder für einen Schleifringübertrager

Title (fr)

Ressort de balais pour collecteur de courant à bague collectrice

Publication

**EP 1610425 B1 20061011 (DE)**

Application

**EP 04020357 A 20040827**

Priority

- EP 04014161 A 20040617
- EP 04020357 A 20040827

Abstract (en)

[origin: EP1610425A1] Each of two brush springs (6) has a long straight shaft (7) and is made of electrically conducting material. A C-section foil (9) of noble metal on the end (8) of the spring makes contact with the rotor (3) of the electrical machine. The spring support (1) has a flat plate (2) with holes (21) to accommodate the folded clamping end (14) of each spring. The end of the long straight spring portion is multiply-folded. A right-angled joggle (13) is succeeded by a straight portion engaging the side of the hole. A gentle curve (17) leads to a clamping portion (16) with a S-bend (18), which passes through the hole and ends on a curve (20) directed toward the center of the flat plate.

IPC 8 full level

**H01R 39/64** (2006.01); **H01R 39/24** (2006.01); **H01R 39/39** (2006.01)

CPC (source: EP)

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Cited by

PL423208A1; CN108127484A; US9281648B2; WO2013143842A1

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