

Title (en)
Rotating electrical slipring with multiwire brushes.

Title (de)
Drehender elektrischer Schleifring mit Mehrdrahtbürsten.

Title (fr)
Collecteur électrique tournant à balais multibrins.

Publication
EP 0662736 A1 19950712 (FR)

Application
EP 94400681 A 19940330

Priority
FR 9400165 A 19940110

Abstract (en)
The electrical collector for a rotating machine includes a ring of conducting material (16) formed about the rotating part. a multi-fibre brush (28) comprises a bundle of two to five, and preferably three fibres in a group. These are supported in a ferrule (36) at one end, whilst their free ends run in a groove in the conducting ring (16). The ferrule end is embedded in a support (27) which allows a certain amount of bending of the assembly. The extent to which the assembly is bent determines the pressure applied by the brushes to the ring.

Abstract (fr)
Dans un collecteur électrique tournant, on réduit les bruits électriques et on augmente la durée de vie des balais (28) ainsi que la vitesse linéaire maximale possible entre les balais (28) et les bagues collectrices (16) en utilisant des balais multibrins comprenant de 2 à 5 brins et, de préférence, 3 brins (32) juxtaposés. Ces brins (32) sont montés dans une embase (34) comprenant une tige (38) dont l'angle de pliage permet de régler la force d'appui du balai (28) dans la gorge (30) de la bague collectrice (16). <IMAGE>

IPC 1-7
H01R 39/24; **H01R 39/39**

IPC 8 full level
H01R 39/64 (2006.01); **H01R 39/18** (2006.01)

CPC (source: EP)
H01R 39/64 (2013.01); **H01R 39/24** (2013.01)

Citation (search report)
• [X] EP 0054380 A2 19820623 - LITTON SYSTEMS INC [US]
• [A] DE 2837437 A1 19790322 - MABUCHI MOTOR CO
• [A] PATENT ABSTRACTS OF JAPAN vol. 5, no. 63 (E - 54)<735> 28 April 1981 (1981-04-28)
• [A] KEMKA: "Bowed Brush Slip Ring", NAVY TECHNICAL DISCLOSURE BULLETIN, vol. 10, no. 1, September 1984 (1984-09-01), ARLINGTON US, pages 103 - 106

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