

Title (en)

Brush unit and slip ring assembly with a brush unit

Title (de)

Bürsteneinheit mit einer elastischen Bürste

Title (fr)

Brosse et système de bague collectrice doté d'une brosse

Publication

**EP 2903103 B1 20190102 (DE)**

Application

**EP 14000365 A 20140131**

Priority

EP 14000365 A 20140131

Abstract (en)

[origin: CN104821473A] The invention relates to a brush unit for electrically contacting a curved surface (3.1) of a slip ring (3). The brush unit includes a brush holder (1;1') and a resilient brush (2;2'). The resilient brush (2;2') is mounted to the brush holder (1;1') in such a way that the brush (2;2') is resiliently preloaded between two points (P1;P2) at which the brush (2;2') is supported against the brush holder (1;1') and exhibits a camber (2.1). The brush is in contact with the brush holder (1;1') between the two points (P1,P2). Furthermore, the invention relates to a collector ring device with the corresponding brush unit.

IPC 8 full level

**H01R 39/08** (2006.01); **H01R 39/38** (2006.01); **H01R 39/39** (2006.01)

CPC (source: EP US)

**H01R 39/08** (2013.01 - US); **H01R 39/38** (2013.01 - EP US); **H01R 39/39** (2013.01 - US)

Citation (examination)

- US 3671791 A 19720620 - MULLER ERWIN, et al
- US 2473526 A 19490621 - ARTHUR HOOD, et al

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

DOCDB simple family (publication)

**EP 2903103 A1 20150805**; **EP 2903103 B1 20190102**; CN 104821473 A 20150805; CN 104821473 B 20180710; DE 102014016443 A1 20150806; US 2015222067 A1 20150806; US 9768573 B2 20170919

DOCDB simple family (application)

**EP 14000365 A 20140131**; CN 201510050086 A 20150130; DE 102014016443 A 20141106; US 201514597245 A 20150115