

Title (en)

CARBON BRUSH HAVING A CENTERING SLEEVE

Title (de)

KOHLEBÜRSTE MIT ZENTRIERHÜLSE

Title (fr)

BALAI DE CARBONE AVEC DOUILLE DE CENTRAGE

Publication

EP 2856580 B1 20170301 (DE)

Application

EP 13730139 A 20130531

Priority

- DE 102012209222 A 20120531
- EP 2013061269 W 20130531

Abstract (en)

[origin: WO2013178790A1] The invention relates to a carbon brush (2), having a wear limit signaling function, a current-carrying stranded wire arranged in the brush body (4), and a signaling stranded wire (10), which is surrounded and fixed at a conductor end segment (12) by a sleeve (8) having an insertion opening (22), wherein the sleeve (8) is arranged in hole (6) formed in the brush body (4). The sleeve (8) is designed as a centering sleeve, the inside diameter (26a, 26b) of which nearly corresponds to the outside diameter (24) at the insertion opening (22) and has a conical taper (30) in the insertion direction.

IPC 8 full level

H01R 39/58 (2006.01)

CPC (source: CN EP US)

H01R 39/58 (2013.01 - CN EP US); **H01R 39/59** (2013.01 - US)

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)

WO 2013178790 A1 20131205; CN 104380541 A 20150225; CN 104380541 B 20170613; DE 102012209222 A1 20131205; EP 2856580 A1 20150408; EP 2856580 B1 20170301; HU E032115 T2 20170828; JP 2015524243 A 20150820; JP 6058791 B2 20170111; US 2015111397 A1 20150423; US 9728925 B2 20170808

DOCDB simple family (application)

EP 2013061269 W 20130531; CN 201380028886 A 20130531; DE 102012209222 A 20120531; EP 13730139 A 20130531; HU E13730139 A 20130531; JP 2015514528 A 20130531; US 201314402901 A 20130531