

Title (en)

CARBON BRUSH FOR ELECTRICAL MACHINE

Title (de)

KOHLENSTOFFBÜRSTE FÜR EINE ELEKTRISCHE MASCHINE

Title (fr)

BALAI DE CARBONE POUR MACHINE ELECTRIQUE

Publication

EP 1662640 B1 20160824 (EN)

Application

EP 04772954 A 20040906

Priority

- JP 2004013272 W 20040906
- JP 2003312561 A 20030904

Abstract (en)

[origin: EP1662640A1] An electromechanical carbon brush 1 applied against a conductive rotating body 2 has a brush base material which is a material made of an aggregate including carbon as at least one (1) ingredient and of a binder, the electromechanical carbon brush 1 containing 0.2 to 10 % by weight of a water-soluble lubricant, 0.2 to 3 % by weight of fluorine denatured silicone oil or 0.2 to 10 % by weight of the water-soluble lubricant and a metallic compound, relative to the brush base material.

IPC 8 full level

H01R 39/20 (2006.01); **H01R 39/22** (2006.01); **H01R 39/26** (2006.01)

CPC (source: EP KR)

H01R 39/20 (2013.01 - EP KR); **H01R 43/12** (2013.01 - KR)

Citation (examination)

- DE 4204680 C1 19930429
- JP 2002056944 A 20020222 - TOTAN KAKO KK

Cited by

US10199789B2; DE102015205735A1; EA030914B1; US2016240989A1; EP3054570A4; US10109969B2; WO2014207047A1

Designated contracting state (EPC)

AT DE IT SI

DOCDB simple family (publication)

EP 1662640 A1 20060531; **EP 1662640 A4 20061227**; **EP 1662640 B1 20160824**; CN 100388600 C 20080514; CN 1701487 A 20051123; KR 101011999 B1 20110131; KR 20060113346 A 20061102; WO 2005025035 A1 20050317

DOCDB simple family (application)

EP 04772954 A 20040906; CN 200480001112 A 20040906; JP 2004013272 W 20040906; KR 20057006764 A 20040906