

Title (en)
BRUSH FOR CONTACT

Title (de)
KONTAKT BÜRSTE

Title (fr)
BALAI DE CONTACT

Publication
EP 2681812 B1 20160427 (FR)

Application
EP 12711942 A 20120227

Priority
• FR 1151594 A 20110228
• FR 2012050400 W 20120227

Abstract (en)
[origin: WO2012117190A1] A brush intended for ensuring electrical contact between a fixed part and a moving part, said brush comprising a layer composed chiefly of carbon, silver, and of another metal different from silver, for example copper.

IPC 8 full level
H01R 39/20 (2006.01); **H01R 39/26** (2006.01); **H01R 39/34** (2006.01); **H01R 39/64** (2006.01); **H01R 43/12** (2006.01)

CPC (source: EP US)
H01R 39/20 (2013.01 - EP US); **H01R 39/64** (2013.01 - US); **H01R 43/12** (2013.01 - EP US); **H01R 39/26** (2013.01 - EP US);
Y10T 29/49119 (2015.01 - EP US)

Citation (examination)
• GB 2247232 A 19920226 - MABUCHI MOTOR CO [JP]
• EP 1713148 A1 20061018 - SCHUNK KOHLENSTOFFTECHNIK GMBH [DE]

Citation (opposition)
Opponent : Carbex AB
• FR 881871 A 19430511
• EP 1351348 A1 20031008 - TRIS INC [JP], et al
• US 2003127941 A1 20030710 - OTANI TAKAYOSHI [JP], et al
• DE 10359896 A1 20050721 - HOFFMANN & CO ELEKTROKOHLE AG [AT]
• DE 102008059478 A1 20100602 - SCHUNK KOHLENSTOFFTECHNIK GMBH [DE]
• "Conductivity of metals sorted by resistivity", EDDY CURRENT TECHNOLOGY -, 14 November 2013 (2013-11-14), XP055348028, Retrieved from the Internet <URL:www.eddy-current.com>
Opponent : Schunk Kohlenstofftechnik GmbH
• FR 2972082 A1 20120831 - MERSEN FRANCE AMIENS SAS [FR]
• WO 2012117190 A1 20120907 - MERSEN FRANCE AMIENS SAS, et al
• FR 881871 A 19430511
• DE 1215938 B 19660505 - DUERRWAECHTER E DR DODUCO
• CH 229890 A 19431130 - DUERRWAECHTER EUGEN DR ING [DE]
• EP 1351348 A1 20031008 - TRIS INC [JP], et al
• DE 20300905 U1 20030320 - CARBONE AG [DE]
• US 2003127941 A1 20030710 - OTANI TAKAYOSHI [JP], et al
• DE 10359896 A1 20050721 - HOFFMANN & CO ELEKTROKOHLE AG [AT]
• DE 102008059478 A1 20100602 - SCHUNK KOHLENSTOFFTECHNIK GMBH [DE]
• DE 1926203 A1 19691127 - MORGANITE CARBON LTD
• DE 4430745 A1 19950309 - LORRAINE CARBONE [FR]

Cited by
WO2023144407A1

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)
FR 2972082 A1 20120831; **FR 2972082 B1 20130329**; CA 2826205 A1 20120907; CA 2826205 C 20190402; DK 2681812 T3 20160725; DK 2681812 T4 20191007; EP 2681812 A1 20140108; EP 2681812 B1 20160427; EP 2681812 B2 20190626; ES 2581357 T3 20160905; ES 2581357 T5 20200311; US 2014001916 A1 20140102; US 9525258 B2 20161220; WO 2012117190 A1 20120907

DOCDB simple family (application)
FR 1151594 A 20110228; CA 2826205 A 20120227; DK 12711942 T 20120227; EP 12711942 A 20120227; ES 12711942 T 20120227; FR 2012050400 W 20120227; US 201213985131 A 20120227