

Title (en)
ELECTRIC CONTACT MATERIAL

Title (de)
ELEKTRISCHES KONTAKTMATERIAL

Title (fr)
MATÉRIAU DE CONTACT ÉLECTRIQUE

Publication
EP 2620515 A4 20141210 (EN)

Application
EP 11826653 A 20110810

Priority
• JP 2010210896 A 20100921
• JP 2011068219 W 20110810

Abstract (en)
[origin: EP2620515A1] Provided is an electrical contact material excellent in welding resistance, wear-out resistance, and temperature performance. The electrical contact material (31) includes more than 55% by mass and 80% by mass or less of tungsten carbide and 2% by mass or more and 5% by mass or less of graphite, the remainder including silver and an unavoidable impurity, the electrical contact material (31): having a relative density of 96.0% or more; an oxygen content of 600 ppm or less; an electrical conductivity of 30% IACS or more; and a transverse rupture strength of 450 MPa or more.

IPC 8 full level
C22C 29/08 (2006.01); **C22C 1/05** (2006.01); **H01H 1/021** (2006.01)

CPC (source: EP)
C22C 29/08 (2013.01); **H01H 1/027** (2013.01); **H01H 50/14** (2013.01); **C22C 29/06** (2013.01); **H01H 2001/0057** (2013.01)

Citation (search report)
• [A] JP S4922592 A 19740228
• [A] WO 2009041246 A1 20090402 - ALMT CORP [JP], et al
• [A] JP H11269579 A 19991005 - NIPPON KAGAKU YAKIN KK
• [A] JP S5090993 A 19750721
• See references of WO 2012039207A1

Cited by
EP2586883A4

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 2620515 A1 20130731; EP 2620515 A4 20141210; EP 2620515 B1 20151209; CN 103108968 A 20130515; JP 5134166 B2 20130130; JP WO2012039207 A1 20140203; WO 2012039207 A1 20120329

DOCDB simple family (application)
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