

Title (en)
ELECTRIC CONTACT MATERIAL

Title (de)
ELEKTRISCHES KONTAKTMATERIAL

Title (fr)
MATÉRIAU DE CONTACT ÉLECTRIQUE

Publication
EP 2620515 A1 20130731 (EN)

Application
EP 11826653 A 20110810

Priority
• JP 2010210896 A 20100921
• JP 2011068219 W 20110810

Abstract (en)
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)

Cited by
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Designated contracting state (EPC)
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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

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EP 11826653 A 20110810; CN 201180044994 A 20110810; JP 2011068219 W 20110810; JP 2012534963 A 20110810