

Title (en)
ELECTRICAL CONTACT MATERIAL

Title (de)
ELEKTRISCHES KONTAKTMATERIAL

Title (fr)
MATÉRIAU POUR CONTACT ÉLECTRIQUE

Publication
EP 2587507 A4 20141210 (EN)

Application
EP 11797992 A 20110609

Priority

- JP 2010141246 A 20100622
- JP 2011063199 W 20110609

Abstract (en)
[origin: EP2587507A1] Provided is an electrical contact material excellent in welding resistance, wear-out resistance, and temperature performance. The electrical contact material (31) includes 10% by mass or more and 30% 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 98.0% or more; an oxygen content of 350 ppm or less; an electrical conductivity of 60% IACS or more; and a transverse rupture strength of 330 MPa or more.

IPC 8 full level
C22C 1/05 (2006.01); **C22C 5/06** (2006.01); **C22C 32/00** (2006.01); **H01H 1/021** (2006.01); **H01H 1/023** (2006.01)

CPC (source: EP)
C22C 5/06 (2013.01); **C22C 32/0052** (2013.01); **H01H 1/027** (2013.01); **H01H 1/021** (2013.01)

Citation (search report)

- [A] US 4689196 A 19870825 - LEUNG CHI H [US]
- See references of WO 2011162106A1

Cited by
CN109852837A; 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 2587507 A1 20130501; **EP 2587507 A4 20141210**; **EP 2587507 B1 20151209**; CN 102985988 A 20130320; CN 102985988 B 20150902; JP 4898977 B2 20120321; JP WO2011162106 A1 20130819; WO 2011162106 A1 20111229

DOCDB simple family (application)
EP 11797992 A 20110609; CN 201180030936 A 20110609; JP 2011063199 W 20110609; JP 2011542617 A 20110609