

Title (en)  
ELECTRIC CONTACT MATERIAL

Title (de)  
ELEKTRISCHES KONTAKTMATERIAL

Title (fr)  
MATÉRIAU DE CONTACT ÉLECTRIQUE

Publication  
**EP 2620515 B1 20151209 (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)

Cited by  
EP2586883A4

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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**EP 11826653 A 20110810**; CN 201180044994 A 20110810; JP 2011068219 W 20110810; JP 2012534963 A 20110810