

Title (en)  
SILVER COATING MATERIAL AND METHOD FOR MANUFACTURING SAME

Title (de)  
SILBERPLATTIERUNGSMATERIAL UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)  
MATÉRIAU DE REVÊTEMENT D'ARGENT ET SON PROCÉDÉ DE FABRICATION

Publication  
**EP 3070726 A4 20170802 (EN)**

Application  
**EP 14861043 A 20141110**

Priority  
• JP 2013233244 A 20131111  
• JP 2013264021 A 20131220  
• JP 2014079705 W 20141110

Abstract (en)  
[origin: EP3070726A1] The object of this invention is to provide a silver-coated material of excellent abrasion resistance in which, even when used as, for example, a moving contact and/or a fixed contact in a switch used over an extended period of time under conditions where switching is repeatedly carried out, the silver or silver alloy layer at the surface does not wear away and, moreover, the contact resistance does not rise. A silver-coated material having, as an outermost layer on an electrically conductive base material, a layer made of at least silver or a silver alloy, this silver-coated material having a coating loss, in an abrasion resistance test, of less than 40 mg and having an initial contact resistance of less than 10 mΩ and a contact resistance of less than 10 mΩ after a sliding wear test carried out under certain conditions.

IPC 8 full level  
**H01H 1/04** (2006.01); **C25D 5/50** (2006.01); **C25D 7/00** (2006.01); **H01B 5/02** (2006.01); **H01H 1/021** (2006.01); **H01H 11/04** (2006.01); **C25D 3/46** (2006.01); **C25D 5/10** (2006.01); **C25D 5/12** (2006.01); **H01H 1/025** (2006.01)

CPC (source: EP US)  
**C25D 5/50** (2013.01 - EP US); **H01H 1/021** (2013.01 - EP); **C25D 3/46** (2013.01 - EP); **C25D 5/10** (2013.01 - EP US); **C25D 5/12** (2013.01 - EP US); **C25D 5/617** (2020.08 - EP US); **H01H 1/025** (2013.01 - EP); **H01H 2011/046** (2013.01 - EP)

Citation (search report)  
• [XAI] US 2012301745 A1 20121129 - KOBAYASHI YOSHIAKI [JP], et al  
• [XAI] US 2008006911 A1 20080110 - NAKAHARA YOUICHIRO [JP], et al  
• See references of WO 2015068835A1

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 3070726 A1 20160921**; **EP 3070726 A4 20170802**; **EP 3070726 B1 20190515**; CN 105247642 A 20160113; CN 105247642 B 20170818; JP 6162817 B2 20170719; JP WO2015068835 A1 20170309; KR 101751167 B1 20170627; KR 20160007650 A 20160120; MY 178336 A 20201008; SG 11201509591V A 20151230; TW 201523668 A 20150616; TW I651744 B 20190221; WO 2015068835 A1 20150514

DOCDB simple family (application)  
**EP 14861043 A 20141110**; CN 201480031355 A 20141110; JP 2014079705 W 20141110; JP 2015546713 A 20141110; KR 20157035364 A 20141110; MY PI2016700249 A 20141110; SG 11201509591V A 20141110; TW 103139002 A 20141111