

Title (en)  
ELECTRICAL CONTACT ELEMENT FOR MEDIUM OR HIGH VOLTAGE ELECTRICAL EQUIPMENT, AND CORRESPONDING METHOD AND EQUIPMENT

Title (de)  
ELEKTRISCHES KONTAKTELEMENT FÜR ELEKTRISCHE MITTEL- ODER HOCHSPANUNGSGERÄTE UND ENTSPRECHENDES VERFAHREN UND GERÄTE

Title (fr)  
ORGANE DE CONTACT ELECTRIQUE POUR APPAREILLAGE ELECTRIQUE EN MOYENNE OU HAUTE TENSION, PROCEDE ET APPAREILLAGE CORRESPONDANTS

Publication  
**EP 1700325 B1 20100630 (FR)**

Application  
**EP 04817609 A 20041228**

Priority  
• FR 2004003398 W 20041228  
• FR 0351218 A 20031229

Abstract (en)  
[origin: US2007111590A1] An electrical contact member, suitable for electrically interconnecting two conductive members in series, which members can move relative to each other and are part of an electrical apparatus. The electrical contact includes a strength-imparting base layer made of an electrically conductive material, and a coating layer formed from metallic silver and configured to come into contact with the two electrically conductive members. The coating layer has a micro-structure formed by pure silver crystals, with a presence of nodules made of silver and of an additional metallic material formed by at least one additional metal that is different from silver.

IPC 8 full level  
**H01H 1/58** (2006.01); **H01H 1/02** (2006.01); **H01H 31/00** (2006.01); **H01H 1/38** (2006.01); **H01R 13/03** (2006.01)

CPC (source: EP US)  
**H01H 1/5833** (2013.01 - EP US); **H01H 1/385** (2013.01 - EP US); **H01R 13/03** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2007111590 A1 20070517; US 7677915 B2 20100316**; AT E472810 T1 20100715; CN 1902721 A 20070124; CN 1902721 B 20100623; DE 602004027949 D1 20100812; EP 1700325 A1 20060913; EP 1700325 B1 20100630; FR 2864688 A1 20050701; FR 2864688 B1 20060224; WO 2005069327 A1 20050728

DOCDB simple family (application)  
**US 58372804 A 20041228**; AT 04817609 T 20041228; CN 200480039445 A 20041228; DE 602004027949 T 20041228; EP 04817609 A 20041228; FR 0351218 A 20031229; FR 2004003398 W 20041228