

Title (en)  
ELECTRIC CONTACT

Title (de)  
ELEKTRISCHER KONTAKT

Title (fr)  
CONTACT ELECTRIQUE

Publication  
**EP 1421651 B1 20061115 (DE)**

Application  
**EP 02794538 A 20020802**

Priority  
• DE 10138204 A 20010803  
• EP 0208603 W 20020802

Abstract (en)  
[origin: WO03015217A2] The invention relates to an electric contact comprising a base body consisting of a copper base alloy or stainless steel and a contact layer consisting of a gold base alloy. According to the invention, the contact layer has a thickness of at least 0.3  $\mu\text{m}$  and consists of gold with between 0.5 and 15 wt % of one or more platinum metals and an intermediate layer consisting of silver, or a silver base alloy, or nickel is provided between the base body and the contact layer. The contact coating is preferably applied to the base body using a physical vapour deposition (PVD) process.

IPC 8 full level  
**B32B 15/01** (2006.01); **H01R 3/00** (2006.01); **C22C 5/02** (2006.01); **H01R 13/03** (2006.01)

CPC (source: EP KR US)  
**H01R 4/58** (2013.01 - KR); **H01R 13/03** (2013.01 - EP US)

Cited by  
DE102012109057B3

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

DOCDB simple family (publication)  
**WO 03015217 A2 20030220**; **WO 03015217 A3 20040325**; AT E345586 T1 20061215; CN 100511852 C 20090708; CN 1559094 A 20041229; DE 10138204 A1 20030227; DE 10138204 B4 20040422; DE 50208722 D1 20061228; EP 1421651 A2 20040526; EP 1421651 B1 20061115; ES 2275942 T3 20070616; JP 2004538369 A 20041224; JP 4636453 B2 20110223; KR 20040043170 A 20040522; PT 1421651 E 20070228; US 2004238338 A1 20041202; US 7015406 B2 20060321

DOCDB simple family (application)  
**EP 0208603 W 20020802**; AT 02794538 T 20020802; CN 02815252 A 20020802; DE 10138204 A 20010803; DE 50208722 T 20020802; EP 02794538 A 20020802; ES 02794538 T 20020802; JP 2003520030 A 20020802; KR 20047001426 A 20020802; PT 02794538 T 20020802; US 48600004 A 20040203