

Title (en)
Electric contact body

Title (de)
Elektrischer Kontaktkörper

Title (fr)
Corps de contact électrique

Publication
EP 0604710 B1 19990310 (DE)

Application
EP 93114377 A 19930908

Priority
DE 4243570 A 19921222

Abstract (en)
[origin: DE4243570C1] The contact has a surface layer (7) with a support layer (6) contg. a palladium alloy with a thickness in the range between 0.05 and 0.5 microns. The support layer is galvanically deposited and the surface layer together with the support layer have a thickness in the range between 0.1 and 1 microns, pref. less than 0.5 microns. The support layer comprises a palladium silver alloy in which the silver content is in the range between 20 and 70 %wt. and the palladium content is in the range between 30 and 80 %wt.. Alternatively, the support layer can be a palladium-nickel alloy or a palladium-tin alloy. USE/ADVANTAGE - Electrical contact body resistant to corrosion and wear. Uses less Gold by use of Palladium and Silver for support layer.

IPC 1-7
H01R 13/03

IPC 8 full level
C22C 5/04 (2006.01); **C22C 5/06** (2006.01); **H01H 1/023** (2006.01); **H01R 13/03** (2006.01)

CPC (source: EP US)
H01H 1/023 (2013.01 - EP US); **H01R 13/03** (2013.01 - EP US); **H01H 2011/046** (2013.01 - EP US)

Designated contracting state (EPC)
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DE 4243570 C1 19940127; AU 5257593 A 19940707; AU 671164 B2 19960815; CA 2107696 A1 19940623; CA 2107696 C 19970114; DE 59309427 D1 19990415; EP 0604710 A1 19940706; EP 0604710 B1 19990310; JP 2504918 B2 19960605; JP H06223664 A 19940812; US 5438175 A 19950801

DOCDB simple family (application)
DE 4243570 A 19921222; AU 5257593 A 19931221; CA 2107696 A 19931005; DE 59309427 T 19930908; EP 93114377 A 19930908; JP 30638093 A 19931207; US 16133293 A 19931202