

Title (en)  
Maintenance-free push-in phy

Title (de)  
Wartungsfreier Kontaktstecker

Title (fr)  
Raccordement à fiches ne nécessitant pas d'entretien

Publication  
**EP 0825682 A3 19990506 (DE)**

Application  
**EP 97114011 A 19970814**

Priority  
CH 204196 A 19960820

Abstract (en)  
[origin: EP0825682A2] The contact plug has a contact pin (11) which can be plugged into a contact socket (12) and has a contact surface (14) with a silver-graphite composite coating. The contact surface is built up of contact layers and has a sliding frictional coefficient of less than 0.35. The pin is mounted in an insulating body (2) with a plasma polymerized guide surface (10).

IPC 1-7  
**H01R 13/00**; **H01R 17/04**; **B61G 5/10**

IPC 8 full level  
**B61G 5/10** (2006.01); **H01R 13/03** (2006.01); **H01R 13/53** (2006.01)

CPC (source: EP)  
**B61G 5/10** (2013.01); **H01R 13/03** (2013.01); **H01R 13/53** (2013.01)

Citation (search report)  
• [Y] DE 2111922 A1 19720921 - KIND DIETER PROF DR ING  
• [Y] DE 4133466 A1 19920507 - FUJI ELECTRIC CO LTD [JP]  
• [Y] DE 29501347 U1 19950323 - HTS ELEKTROTECH GMBH & CO KG [DE]  
• [A] EP 0430825 A1 19910605 - MERLIN GERIN [FR]  
• [A] DE 3247673 A1 19840705 - PFISTERER ELEKTROTECH KARL [DE]  
• [A] DE 4223818 C1 19931125 - PFISTERER ELEKTROTECH KARL [DE]

Cited by  
DE102016112096A1; CN107565283A; US7638721B2; US7294028B2; US8697247B2; WO2005046000A1; WO2004032166A1; WO2004093256A1

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

DOCDB simple family (publication)  
**EP 0825682 A2 19980225**; **EP 0825682 A3 19990506**

DOCDB simple family (application)  
**EP 97114011 A 19970814**