

Title (en)  
SELF-LOCKING ELECTRIC PLUG.

Title (de)  
SELBSTVERRIEGELNDER ELEKTRISCHER STECKER.

Title (fr)  
FICHE ELECTRIQUE A AUTOBLOCAGE.

Publication  
**EP 0589881 B1 19950830 (EN)**

Application  
**EP 91918679 A 19910621**

Priority  
US 9104421 W 19910621

Abstract (en)  
[origin: WO9300726A1] An electrical plug having an extended head portion (13) for insertion into a recessed socket (11) in the mating receptacle includes axial friction ribs (21, 22, 23, 24) at the outer periphery to engage the inner surface of the recessed socket and provide positive frictional forces retaining the plug in the socket. A bevel (35) on the face of the extended head portion facilitates insertion of the head into the recessed socket while a flat, low profile exterior portion (12) of the plug with the electrical cord exiting parallel to the wall further minimizes the accidental dislodgement of the plug from the socket. Expansion slots (25-26, 27-28, 29-30 and 31-32) on either side of the friction ribs allow the friction ribs to expand upon insertion of the head portion into the recessed socket.

IPC 1-7  
**H01R 19/04**

IPC 8 full level  
**H01R 13/639** (2006.01)

CPC (source: EP)  
**H01R 13/6395** (2013.01); **H01R 24/28** (2013.01); **H01R 2103/00** (2013.01)

Designated contracting state (EPC)  
BE DE DK ES FR GR NL SE

DOCDB simple family (publication)  
**WO 9300726 A1 19930107**; DE 69112645 D1 19951005; DE 69112645 T2 19960425; DK 0589881 T3 19960108; EP 0589881 A1 19940406; EP 0589881 B1 19950830; ES 2077870 T3 19951201; GR 3017765 T3 19960131

DOCDB simple family (application)  
**US 9104421 W 19910621**; DE 69112645 T 19910621; DK 91918679 T 19910621; EP 91918679 A 19910621; ES 91918679 T 19910621; GR 950402866 T 19951018