

Title (en)
IMPROVEMENTS RELATING TO ELECTRICAL PLUGS

Publication
EP 0063120 B1 19861008 (EN)

Application
EP 81901909 A 19810714

Priority
GB 8023011 A 19800715

Abstract (en)
[origin: WO8200387A1] An electrical plug, particularly for domestic use for coupling appliances to socket outlet of a mains distribution system, is adapted to be fitted onto an appliance flex or cable without necessitating use of a screwdriver or other tool by virtue of being formed in two parts, namely a body portion (1) formed with terminal pins (4) insertable into the openings of a socket outlet and an insert (2) enterable into a recess (3) in the body portion (1). The insert (2) comprises a cable clamping arrangement (8) and conductor-receiving channels (10) formed with a right-angled bend and each leading to a termination member (19) in which a plunger (20) is axially movable against spring bias, the plungers (20) projecting from the front face of the insert (2). In the body portion (1) of the plug, the recess (3) has in its end wall three bores (18) located and dimensioned to accept the plungers (20) when the insert (2) is entered into the recess (3), and each bore (18) communicates with a terminal pad (17) coupled electrically to a respective one of the terminal pins (4). As the insert (2) is fully entered into the recess (3) in the plug body portion (1), the plungers (20) butt against the terminal pads (17) and are driven back against their spring bias and capture the conductor ends in the termination members (19).

IPC 1-7
H01R 19/08; **H01R 4/24**; **H01R 13/22**

IPC 8 full level
H01R 24/30 (2011.01); **H01R 4/24** (2006.01); **H01R 13/22** (2006.01); **H01R 13/627** (2006.01); **H01R 13/64** (2006.01); **H01R 31/00** (2006.01)

CPC (source: EP)
H01R 13/652 (2013.01); **H01R 24/30** (2013.01); **H01R 4/242** (2013.01); **H01R 13/22** (2013.01); **H01R 13/627** (2013.01); **H01R 13/64** (2013.01); **H01R 31/00** (2013.01); **H01R 2103/00** (2013.01)

Citation (examination)
GB 1559789 A 19800123 - HAYES D

Designated contracting state (EPC)
AT CH DE FR GB LI LU NL SE

DOCDB simple family (publication)
WO 8200387 A1 19820204; EP 0063120 A1 19821027; EP 0063120 B1 19861008

DOCDB simple family (application)
GB 8100141 W 19810714; EP 81901909 A 19810714