

Title (en)  
SCREW CONNECTION OF A PLUG PIN WITH A CONDUCTING WIRE

Publication  
**EP 0153591 B1 19930908 (DE)**

Application  
**EP 85100801 A 19850126**

Priority  
CH 96084 A 19840228

Abstract (en)  
[origin: US4619497A] A device for establishing a current-conducting connection between a strip-shaped conducting member and one or more wire-like conductors has a reinforced frame with two mutually inclined internal surfaces which make an angle of 30 degrees. The conducting member is placed against one of the internal surfaces and the conductor or conductors are placed adjacent the conducting member in the interior of the frame. A screw whose axis halves the angle between the two internal surfaces meshes with the frame and carries a clamping element which has an elongated slot for the shank of the screw and which slides along the other internal surface of the frame in response to rotation of the screw to move the clamping element in the direction of convergence of the internal surfaces whereby the clamping element bears against the conductor or conductors and urges them against the conducting member so that the latter is biased against the one internal surface. The slot enables the clamping element to move transversely of the axis of the screw, for example, to become disengaged from the conductor or conductors when the screw is rotated to move the clamping element counter to the direction of convergence of the internal surfaces. The angle between the axis or axes of the conductor or conductors and the axis of the screw is approximately or exactly 15 degrees.

IPC 1-7  
**H01R 4/38**

IPC 8 full level  
**H01R 4/44** (2006.01); **H01R 4/38** (2006.01)

CPC (source: EP US)  
**H01R 4/38** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE DE FR GB IT LU NL SE

DOCDB simple family (publication)  
**EP 0153591 A2 19850904; EP 0153591 A3 19880810; EP 0153591 B1 19930908**; AT E94309 T1 19930915; CH 664456 A5 19880229; DE 3587562 D1 19931014; JP H0633363 U 19940428; JP H0711409 Y2 19950315; JP S60182672 A 19850918; US 4619497 A 19861028

DOCDB simple family (application)  
**EP 85100801 A 19850126**; AT 85100801 T 19850126; CH 96084 A 19840228; DE 3587562 T 19850126; JP 2274385 A 19850207; JP 4339193 U 19930806; US 70157885 A 19850214