

Title (en)  
CABLE PLUG CONNECTOR

Title (de)  
KABELSTECKVERBINDER

Title (fr)  
CONNECTEUR A FICHES POUR CABLES

Publication  
**EP 0892997 B1 20000531 (DE)**

Application  
**EP 97915368 A 19970314**

Priority  
• DE 19614699 A 19960413  
• DE 19708663 A 19970304  
• EP 9701295 W 19970314

Abstract (en)  
[origin: WO9739495A1] In a cable plug connector (1) with at least one contact (3) fitted in a chamber of a contact carrier (2) and taking the form of a plug (8) which has an insulation displacement section (9) at its connection end (11) to contact an insulated cable lead (5) inserted into a blind hole (24) in the contact carrier (2) by means of an insulation displacement slot (16) fitted in a contact plate (14) running transversely to the plug-in direction, the insulation displacement section (9) is a separate part passing with the contact plate (14) through an aperture (20) in the connection end (11) of the plug (8). The contacts (3) are thus simply and economically suitable for the use of different lead diameters by exchanging the insulation displacement section (9). They are also usable with advantage especially in cable plug connectors (1) produced by injection moulding because no special measures are needed to seal the plug contact regions. It is particularly suitable for practical manipulation to fit the contact plate (14) with snapping projections (19) which engage behind the lateral end sections of the aperture (20). This renders the insulation displacement section (9) captive through pre-snapping, further simplifies storage and assembly and makes is even cheaper. This advantage and even simpler production and assembly can also be obtained in a particularly suitable manner in that the insulation displacement section (9) has two guide arms (31) which, with bent end sections (32), preferably engage behind a cover section (41) which has through apertures (42) and U-shaped guides (25) for the insertion or guiding of the cable leads (5) and can be secured to the contact carrier.

IPC 1-7  
**H01R 12/38**; **H01R 24/06**; **H01R 4/24**

IPC 8 full level  
**H01R 4/24** (2006.01); **H01R 9/03** (2006.01)

CPC (source: EP US)  
**H01R 4/2429** (2013.01 - EP US); **H01R 9/031** (2013.01 - EP US); **H01R 2107/00** (2013.01 - EP US)

Designated contracting state (EPC)  
AT CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)  
**WO 9739495 A1 19971023**; AT E193620 T1 20000615; DK 0892997 T3 20001023; EP 0892997 A1 19990127; EP 0892997 B1 20000531; ES 2148953 T3 20001016; US 6120316 A 20000919

DOCDB simple family (application)  
**EP 9701295 W 19970314**; AT 97915368 T 19970314; DK 97915368 T 19970314; EP 97915368 A 19970314; ES 97915368 T 19970314; US 17112498 A 19981013