

Title (en)  
Insulation displacement electrical connector for multiple inline conductors

Title (de)  
Elektrischer Schneidklemmverbinder für inline-Mehrfachleiter

Title (fr)  
Connecteur électrique à déplacement d'isolation pour conducteurs multiples en ligne

Publication  
**EP 0856912 A3 19990825 (EN)**

Application  
**EP 98101280 A 19980126**

Priority  
GB 9702024 A 19970131

Abstract (en)  
[origin: EP0856912A2] An electrical connector (2) comprising: a contact (6) having a mating portion (28) and a conductor engaging portion (30) that includes a plate (32) having an insulation displacement contact (IDC) slot (34) therein for engaging a transversely oriented conductor (8,10) when forced therein; a connector body (4) having a mating end (14) and a conductor engaging end (16) with a contact receiving passageway (18) extending therebetween that includes a cover receiving pocket (20) towards the conductor engaging end (16), and an access slot (22) extends into the body (4) from the conductor engaging end (16) thereby providing transverse access to the passageway (18), where the contact (6) is located in the passageway (18) with the IDC slot (34) corresponding to the access slot (22) such that the conductor (8,10) is insertable into the IDC slot (34) from the conductor engaging end (16); and, a cover (12) is receivable in the cover receiving pocket (20) upon insertion of the conductor (8,10); the connector (2) being characterized in that : the IDC slot (34) is adapted to have two in-line first and second contact sections (36,38) therealong and the connector body (4) includes a frangible beam (24) extending across the access slot (22) at a location corresponding to a position between the first and second contact sections (36,38) where said beam (24) is breakable to provide access to the second contact section (38). <IMAGE>

IPC 1-7  
**H01R 4/24**

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

CPC (source: EP)  
**H01R 4/2462** (2013.01); **H01R 4/2433** (2013.01)

Citation (search report)  
• [YA] EP 0519534 A1 19921223 - GEN MOTORS CORP [US]  
• [YDA] WO 9531014 A1 19951116 - WHITAKER CORP [US], et al

Cited by  
EP3758163A1; US11205862B2; WO2009094081A1; WO2020260208A1

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 0856912 A2 19980805; EP 0856912 A3 19990825; EP 0856912 B1 20030416**; DE 69813335 D1 20030522; DE 69813335 T2 20040212; ES 2196406 T3 20031216; GB 9702024 D0 19970319

DOCDB simple family (application)  
**EP 98101280 A 19980126**; DE 69813335 T 19980126; ES 98101280 T 19980126; GB 9702024 A 19970131