

Title (en)  
Electrical connector.

Title (de)  
Elektrischer Steckverbinder.

Title (fr)  
Connecteur électrique.

Publication  
**EP 0442044 B1 19950705 (EN)**

Application  
**EP 90121336 A 19901107**

Priority  
US 48197390 A 19900216

Abstract (en)  
[origin: EP0442044A1] A one-piece, solderless, non-crimp electrical wire connector for effecting connection between the stripped end of an insulated electrical conductor (15) and a socket (18) of a terminal (19) of the type having a plug-receiving bore, including a conductive body member (11) having a tapered bore (12) extending inwardly from an end thereof, the bore (12) being tapered to its small end and open at its large end to receive an electrical conductor (15), the conductor-receiving bore (12) having internal threads (17) for engaging and gripping the conductor (15), the threads (17) acting as a non-abrasive metal-working surface, an elongated plug member (13) extending generally axially from the opposite end of the body member (11), the plug member (13) adapted to be inserted and seated upon a complementary socket (18) of a terminal (19), wherein rotating the connector on the conductor (15) causes the threaded surfaces of the bore (12) to engage and be pressed into the conductor (15), locking the conductor (15) within the bore (12) and forming an electrical connection. <IMAGE>

IPC 1-7  
**H01R 4/56**

IPC 8 full level  
**H01R 4/50** (2006.01); **H01R 4/56** (2006.01); **H01R 4/22** (2006.01); **H01R 11/28** (2006.01)

CPC (source: EP)  
**H01R 4/56** (2013.01); **H01R 4/22** (2013.01); **H01R 11/28** (2013.01)

Cited by  
EP0815892A1; US6039700A

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AT BE CH DE DK ES FR GB GR IT LI LU NL SE

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**EP 0442044 A1 19910821**; **EP 0442044 B1 19950705**; AT E124810 T1 19950715; DE 69020715 D1 19950810; DE 69020715 T2 19960208; JP H03238774 A 19911024

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**EP 90121336 A 19901107**; AT 90121336 T 19901107; DE 69020715 T 19901107; JP 21727390 A 19900820