

Title (en)  
Spring connector for an electrical conductor

Title (de)  
Zugfederanschluss für elektrische Leiter

Title (fr)  
Connecteur à ressort pour conducteur électrique

Publication  
**EP 0823752 A3 19990310 (DE)**

Application  
**EP 97113203 A 19970731**

Priority  
DE 19632187 A 19960809

Abstract (en)  
[origin: EP0823752A2] The connector has a tension spring (1) bent into a tubular shape with a clamping arm and a contact arm (2,3). A current rail (busbar) (4) in contact with the spring passes through a window (5) in the clamping arm (2). The lower surface (7) of the window opening forms a clamping region for clamping a conductor (11) which is pressed against the current rail. The end region (8) of the clamping arm immediately following the lower side of the window opening is cropped.

IPC 1-7  
**H01R 4/48**

IPC 8 full level  
**H01R 4/48** (2006.01)

CPC (source: EP US)  
**H01R 4/4816** (2023.08 - EP); **H01R 4/48455** (2023.08 - US); **H01R 4/4846** (2023.08 - EP)

Citation (search report)

- [XY] EP 0597190 A1 19940518 - WEIDMUELLER INTERFACE [DE]
- [Y] DE 3504317 A1 19860814 - LICENTIA GMBH [DE]
- [A] DE 4016770 A1 19911128 - TRAUTMANN GUENTER [DE]

Cited by  
US6183288B1; EP1059705A3; FR2954604A1; FR2936656A1; FR2782848A1; DE19939572B4

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 0823752 A2 19980211; EP 0823752 A3 19990310; EP 0823752 B1 20030312**; DE 19632187 A1 19980212; DE 19632187 C2 19980702; DE 59709471 D1 20030417; US 5938484 A 19990817

DOCDB simple family (application)  
**EP 97113203 A 19970731**; DE 19632187 A 19960809; DE 59709471 T 19970731; US 91136397 A 19970807