

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