

Title (en)

Spring clamp terminal for electrical conductor

Title (de)

Federkraftklemmanschluss für einen elektrischen Leiter

Title (fr)

Borne à ressort pour conducteur électrique

Publication

**EP 1391965 A1 20040225 (DE)**

Application

**EP 03018505 A 20030815**

Priority

DE 10239273 A 20020822

Abstract (en)

The device has a bus bar piece and a plate spring for connecting an electrical conductor. The flat material bus bar piece has a conductor plug-through opening in the form of a four-cornered passage with a hole collar extending in the plugging direction. The plate spring has a clamping leg whose end is inserted into the passage to form a clamping point with an inner wall of the collar with a transverse edge protruding against the conductor. The device has a bus bar piece (10) and a plate spring for connecting an electrical conductor. The bus bar piece is made of flat material and has a conductor plug-through opening in the form of a four-cornered material passage (11) with a hole collar (13) extending in the plugging direction. The plate spring has a clamping leg (20) whose end is inserted into the passage so that it forms a clamping point with an inner wall (15) of the collar with a transverse edge (22) protruding against the conductor.

Abstract (de)

Die Erfindung betrifft einen Federkraftklemmanschluß zum Anschluß eines elektrischen Leiters, der gattungsgemäß ein Stromschienelement mit einem viereckigen Materialdurchzug aufweist, in den das Klemmschenkelende einer Blattfeder eintaucht derart, daß das Klemmschenkelende mit einer Lochkrageninnenwandfläche des Materialdurchzugs eine Klemmstelle für den elektrischen Leiter bildet. Es wird vorgeschlagen, für die Lochkrageninnenwandfläche des Materialdurchzugs eine neue Formgebung mit einer Querkante/Randkante zu verwenden und die Klemmstelle für den elektrischen Leiter in der Tiefe des Materialdurchzugs anzutragen, wodurch zugleich eine metallgefaßte Leiter-Vorfangtasche gebildet ist.  
<IMAGE>

IPC 1-7

**H01R 4/48**

IPC 8 full level

**H01R 9/24** (2006.01); **H01R 4/48** (2006.01)

CPC (source: EP KR US)

**H01R 4/48** (2013.01 - KR); **H01R 4/48185** (2023.08 - EP US); **H01R 4/48275** (2023.08 - EP US)

Citation (applicant)

- US 5098317 A 19920324 - LAU FREDERICK L [US]
- US 5348496 A 19940920 - LUDWIG MELVIN [US]
- EP 1217692 A2 20020626 - HAGER ELECTRO GMBH [DE]

Citation (search report)

- [YA] US 5098317 A 19920324 - LAU FREDERICK L [US]
- [DYA] DE 2825291 A1 19791220 - WAGO KONTAKTTECHNIK GMBH

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