

Title (en)

Electrical equipment with automatic connection, especially connector for electrical conductors.

Title (de)

Elektrische Vorrichtung zum automatischen Verbinden, insbesondere Verbinder für elektrische Leiter.

Title (fr)

Appareillage électrique à connexion automatique, notamment connecteur pour conducteurs électriques.

Publication

EP 0037758 A1 19811014 (FR)

Application

EP 81400419 A 19810318

Priority

FR 8007675 A 19800404

Abstract (en)

[origin: ES269838U] A self-clamping electrical connector or terminal block is disclosed having one or more entrance passages for inserting a corresponding number of conductive cores of leads. A U-shaped metal guide member is mounted in the housing and a leaf spring part with a corresponding number of leaf springs each having an angled portion extending between the legs of the guide member. The angled portion is adapted to clamp the conductive core against one of the legs upon insertion of the lead. Each leaf spring comprises clipping means including a bowed portion connected to the angled portion and a flat portion. The bowed portion bears on the inner surface of the other leg of the guide member and the flat portion bears against the outer surface of said other leg. A lug may be provided on the leg to prevent the leaf spring part from slipping off the guide member.

Abstract (fr)

Un tel appareillage est du genre comportant, dans un boîtier (13) présentant un passage d'entrée (14) propre à l'introduction de l'âme conductrice d'un conducteur électrique, un guide métallique en U (25), et une lamelle de ressort (40) s'étendant obliquement entre les ailes de ce guide (25) pour application d'une telle âme conductrice contre l'une de celles-ci. Suivant l'invention, une telle lamelle de ressort (40) est emboîtée par un repli (43) sur l'aile opposée du guide (25). Application notamment à la constitution de connecteurs.

IPC 1-7

H01R 4/48

IPC 8 full level

H01R 4/24 (2006.01); **H01R 4/48** (2006.01); **H01R 13/15** (2006.01)

CPC (source: EP US)

H01R 4/48185 (2023.08 - EP US)

Citation (search report)

- FR 2307382 A1 19761105 - WAGO KONTAKTTECHNIK GMBH [DE]
- FR 2208210 A1 19740621 - WAGO KONTAKTTECHNIK GMBH [DE]
- DE 2432084 A1 19760122 - WAGO KONTAKTTECHNIK GMBH
- GB 751675 A 19560704 - ARROW ELECTRIC SWITCHES LTD
- US 3315052 A 19670418 - MO GOTO
- GB 1447935 A 19760902 - ALMA ETS LTD
- FR 2136550 A5 19721222 - SIEMENS AG

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FR2757687A1; EP0432227A4; EP0704932A3; RU2653161C2; DE102014102517B4; EP0908965A1; FR2769411A1; EP1850417A3; WO2014124964A1; US9525219B2; US9761964B2; EP1850417A2

Designated contracting state (EPC)

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DOCDB simple family (application)

EP 81400419 A 19810318; AR 28485581 A 19810403; AU 6907281 A 19810403; BR 8102033 A 19810403; DE 3164081 T 19810318; DK 153481 A 19810403; ES 269838 U 19810404; FR 8007675 A 19800404; GR 810164567 A 19810402; IE 64681 A 19810324; JP 5046981 A 19810403; MX 18663681 A 19810331; US 25015881 A 19810402