

Title (en)
SPRING-LOADED CLAMPING CONNECTION AND CONDUCTOR TERMINAL

Title (de)
FEDERKRAFTKLEMMANSCHLUSS UND LEITERANSCHLUSSKLEMME

Title (fr)
CONNEXION PAR BORNE À RESSORT ET BORNE DE CONNEXION DE CONDUCTEUR

Publication
EP 2956991 A1 20151223 (DE)

Application
EP 14703881 A 20140212

Priority
• DE 102013101410 A 20130213
• EP 2014052722 W 20140212

Abstract (en)
[origin: WO2014124964A1] A spring-loaded clamping connection (1) for clamping electrical conductors is described, said spring-loaded clamping connection having a clamping spring (2) and a bus bar (6). The clamping spring (2) has a contact limb (3), a spring arc (4) adjoining said contact limb (3) and a clamping limb (5) adjoining said spring arc (4). The clamping limb (5) has a clamping edge (12) for forming a clamping point with the adjacent bus bar (6) for a conductor to be clamped. The spring-loaded clamping connection (1) also has a frame element (7) which is a part separate from the clamping spring (2) with the bus bar (6) and which has a base portion (10), a curved portion (9) adjoining said base portion (10) and a retaining portion (8) adjoining said curved portion (9) and spaced from the base portion (10). The contact limb (3) of the clamping spring (2) is secured to the retaining portion (8). The retaining portion (8) extends in the extension of the direction of extension of the contact limb (3). The curved portion (9) limits, in the insertion direction (L) for a conductor to be clamped behind the clamping point, a conductor-accommodating chamber (14) for accommodating a free end of an electrical conductor. The base portion (10) extends from the curved portion (9) toward the free end of the base portion (10) counter to the insertion direction (L) for an electrical conductor to be clamped.

IPC 8 full level
H01R 4/48 (2006.01)

CPC (source: EP RU US)
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Citation (search report)
See references of WO 2014124964A1

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