

Title (en)

SPRING CLAMP CONTACT AND CONNECTING TERMINAL FOR ELECTRICAL CONDUCTORS

Title (de)

FEDERKLEMMKONTAKT UND VERBINDUNGSKLEMME FÜR ELEKTRISCHE LEITER

Title (fr)

CONTACT À SERRAGE PAR RESSORT ET BORNE DE CONNEXION DE CONDUCTEURS ÉLECTRIQUES

Publication

**EP 2956993 A1 20151223 (DE)**

Application

**EP 14704143 A 20140212**

Priority

- DE 202013100635 U 20130213
- EP 2014052719 W 20140212

Abstract (en)

[origin: WO2014124961A1] A spring clamp contact (1) for contacting electrical conductors is described, said spring clamp contact having a bus bar (2) and at least two clamping springs (3) that each have a contact limb (4), a spring arc (5) adjoining said contact limb (4) and a clamping limb (6) adjoining the spring arc (5), said clamping limb having a clamping section (7) at the free end. The spring clamp contact also has frame parts (8) which extend away from the bus bar (2) and each have two lateral connecting parts (9a, 9b) that are spaced from each other and transversal connecting parts (10, 11) connecting said lateral connecting parts (9a, 9b) to each other and a conductor through-opening (12) formed by the lateral connecting parts (9a, 9b) and the transversal connecting parts (10, 11). A clamping spring (3) is secured, by the contact limb (4) of the clamping spring (3) and/or a retaining element (26) of the bus bar (2) being in contact with connecting part (10, 11), in such a way that the clamping section (7) acts in the direction of the bus bar (2) under the spring force of the clamping spring (3). The at least two frame parts (8) for the at least two clamping springs (3) are spaced from each other by an interstice (14) between two spaced lateral connecting parts (9a, 9b) of adjacent frame parts (8).

IPC 8 full level

**H01R 4/48** (2006.01)

CPC (source: CN EP US)

**H01R 4/48185** (2023.08 - US); **H01R 4/48365** (2023.08 - CN EP US)

Citation (search report)

See references of WO 2014124961A1

Cited by

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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**DE 202013100635 U1 20130304**; CN 104995798 A 20151021; CN 104995798 B 20171114; EP 2956993 A1 20151223; EP 2956993 B1 20210407; ES 2871850 T3 20211102; JP 2016507147 A 20160307; JP 6400607 B2 20181003; KR 102145876 B1 20200820; KR 20150116853 A 20151016; PL 2956993 T3 20211011; RU 2597003 C1 20160910; US 2015372402 A1 20151224; US 9502790 B2 20161122; WO 2014124961 A1 20140821

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