Title (en)

DEVICE AND METHOD FOR AUTOMATICALLY TWISTING METAL WIRES, IN PARTICULAR FOR CONNECTING ADJACENT, PREFERABLY MUTUALLY INTERSECTING STRUCTURE ELEMENTS

Title (de)

VORRICHTUNG UND VERFAHREN ZUM AUTOMATISCHEN VERDRILLEN VON METALLDRÄHTEN, INSBESONDERE ZUM VERBINDEN BENACHBARTER, VORZUGWEISE SICH ÜBERKREUZENDER STRUKTURELEMENTE

Title (fr)

DISPOSITIF ET PROCÉDÉ DE TORSADAGE AUTOMATIQUE DE FILS MÉTALLIQUES, EN PARTICULIER POUR L'ASSEMBLAGE D'ÉLÉMENTS DE STRUCTURE ADJACENTS, DE PRÉFÉRENCE ENTRECROISÉS

Publication

EP 2897744 A1 20150729 (DE)

Application

EP 13741751 A 20130725

Priority

- DE 102012216831 A 20120919
- EP 2013065678 W 20130725

Abstract (en)

[origin: CA2881754A1] The invention relates to a device, a method and a use of said device (1) for automatically twisting metal wires. The invention relates, in particular, to a device of this kind for connecting adjacent, preferably mutually intersecting structure elements, comprising a wire feed for feeding wire, preferably endless wire, into the device, a wire guiding arch (5), which has an optionally releasable and closable opening (7) and which is provided in order to guide the fed wire in the closed position along the wire guiding arch from a first side (9) of the wire guiding arch to a second side (11) of the wire guiding arch lying opposite the opening, a traction carriage (23), which is provided in order to detect the fed wire on the first side (9) of the wire guiding arch and to pull the wire towards the second side of the wire guiding arch, and a twisting unit (25), which is provided in order to detect the fed wire on both sides of the wire guiding arch and to twist the wire by means of a rotational movement.

IPC 8 full level

B21F 15/04 (2006.01); **E04G 21/12** (2006.01)

CPC (source: EP RU US)

B21F 15/04 (2013.01 - EP RU US); **E04G 21/123** (2013.01 - EP RU US)

Citation (search report)

See references of WO 2014044443A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102012216831 A1 20140320; AR 092606 A1 20150429; AU 2013320549 A1 20150305; AU 2013320549 B2 20151203; BR 112015005938 A2 20170704; CA 2881754 A1 20140327; CA 2881754 C 20170124; CL 2015000677 A1 20150710; CN 104640647 A 20150520; CN 104640647 B 20170721; DK 2897744 T3 20181203; EP 2897744 A1 20150729; EP 2897744 B1 20180912; ES 2693346 T3 20181211; IN 1226DEN2015 A 20150626; JP 2015534509 A 20151203; JP 6242901 B2 20171206; KR 101727418 B1 20170414; KR 20150059764 A 20150602; MX 2015002768 A 20150814; MX 353873 B 20180201; NZ 705009 A 20160226; PT 2897744 T 20181219; RU 2600779 C1 20161027; TW 201412428 A 20140401; TW I566853 B 20170121; US 2015266082 A1 20150924; US 9808854 B2 20171107; WO 2014044443 A1 20140327; ZA 201500906 B 20151223

DOCDB simple family (application)

DE 102012216831 A 20120919; AR P130103339 A 20130918; AU 2013320549 A 20130725; BR 112015005938 A 20130725; CA 2881754 A 20130725; CL 2015000677 A 20150318; CN 201380048840 A 20130725; DK 13741751 T 20130725; EP 13741751 A 20130725; EP 2013065678 W 20130725; ES 13741751 T 20130725; IN 1226DEN2015 A 20150216; JP 2015532339 A 20130725; KR 20157009946 A 20130725; MX 2015002768 A 20130725; NZ 70500913 A 20130725; PT 13741751 T 20130725; RU 2015114524 A 20130725; TW 102129181 A 20130814; US 201314428934 A 20130725; ZA 201500906 A 20150209