

Title (en)

A METHOD FOR MAKING A JOINT BETWEEN A GENERALLY FLAT MEMBER, METAL OR NON-METAL, AND AN ELONGATED MEMBER LIKE A WIRE AND AN APPARATUS FOR CARRYING OUT SAID METHOD

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER VERBINDUNG ZWISCHEN EINEM IM ALLGEMEINEN FLACHEN ELEMENT, METALL ODER NICHT-METALL UND EINEM LÄNGLICHEN ELEMENT WIE EINEM DRAHT SOWIE VORRICHTUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCÉDÉ DE RÉALISATION D'UN RACCORD ENTRE UN ÉLÉMENT GLOBALEMENT PLAT, MÉTALLIQUE OU NON MÉTALLIQUE, ET UN ÉLÉMENT ALLONGÉ TEL QU'UN FIL, ET APPAREIL DE RÉALISATION DUDIT PROCÉDÉ

Publication

EP 2879817 A1 20150610 (EN)

Application

EP 13758761 A 20130801

Priority

- SE 1250903 A 20120801
- EP 2013066223 W 20130801

Abstract (en)

[origin: WO2014020126A1] An apparatus for making joints by means of clinching between first (7) and second (12) members, metal or non-metal, whereby said first member (7), at least in and close to the location where the joint is going to be made, has a generally sheet-formed or flat geometry, and said second member (12), in the same location, has an elongated form with a length axis and a length generally much bigger than any measure of its arbitrary section, by means of a tool provided with a punch (1), a cooperating die and anvil (9) and a stripper (2) surrounding the punch (1). The dimension of the punch (1) in the direction perpendicular to said length axis is essentially the same as the dimension of the section of said second member (12) in said location.

IPC 8 full level

B21D 39/00 (2006.01); **B21F 15/10** (2006.01); **H01R 4/06** (2006.01)

CPC (source: EP)

B21D 39/00 (2013.01); **B21F 15/10** (2013.01); **B21J 15/00** (2013.01); **H01R 4/06** (2013.01); **H01R 43/048** (2013.01)

Citation (search report)

See references of WO 2014020126A1

Cited by

EP3744439A4; US11673179B2; US12011757B2

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)

WO 2014020126 A1 20140206; **WO 2014020126 A9 20140814**; EP 2879817 A1 20150610; EP 2879817 B1 20200318

DOCDB simple family (application)

EP 2013066223 W 20130801; EP 13758761 A 20130801