

Title (en)

DEVICE FOR ATTACHING A JOINING ELEMENT TO A COMPONENT SECTION, AND TOOL

Title (de)

VORRICHTUNG ZUM ANBRINGEN EINES FUEGEELEMENTS AN EINEM BAUTEILABSCHNITT UND WERKZEUG

Title (fr)

DISPOSITIF POUR METTRE EN PLACE UN ÉLÉMENT D'ASSEMBLAGE AU NIVEAU D'UNE PARTIE D'ÉLÉMENT STRUCTURAL ET OUTIL

Publication

**EP 3071348 A1 20160928 (DE)**

Application

**EP 14796470 A 20141104**

Priority

- DE 102013019519 A 20131122
- EP 2014073654 W 20141104

Abstract (en)

[origin: WO2015074862A1] Proposed is a device for attaching a joining element (2) to a component section, for a tool (1) for attaching a joining element (2) to a component section having a linearly movable die (5), by which a joining element (2) presented in a presentation position (3) can be transferred from the presentation position (3) to the component section. According to the invention, means are present for providing a pressure difference in the region of a presented joining element (2), wherein, on a presented joining element (2), the pressure difference which can be provided by the means leads to a retaining force acting on the joining element (2) so that the joining element (2) is held in a positionally fixed manner in the presentation position.

IPC 8 full level

**B21J 5/02** (2006.01); **B21J 15/32** (2006.01); **B23P 19/00** (2006.01)

CPC (source: EP US)

**B21J 15/025** (2013.01 - EP US); **B21J 15/32** (2013.01 - EP US); **B21J 15/10** (2013.01 - US)

Citation (search report)

See references of WO 2015074862A1

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 2015074862 A1 20150528**; CN 105745037 A 20160706; CN 105745037 B 20190823; CN 105745037 B8 20191008; DE 102013019519 A1 20150528; EP 3071348 A1 20160928; EP 3071348 B1 20220817; US 10870145 B2 20201222; US 2016279695 A1 20160929

DOCDB simple family (application)

**EP 2014073654 W 20141104**; CN 201480063549 A 20141104; DE 102013019519 A 20131122; EP 14796470 A 20141104; US 201615156479 A 20160517