

Title (en)

A DEVICE FOR THE CONSTRUCTION OF HEAT EXCHANGER ELEMENTS PROVIDED WITH PROTECTION MATERIALS

Title (de)

VORRICHTUNG ZUR HERSTELLUNG VON WÄRMETAUSCHERELEMENTEN, DIE MIT SCHUTZMATERIALIEN VERSEHEN SIND

Title (fr)

DISPOSITIF DESTINE A LA CONSTRUCTION D'ELEMENTS ECHANGEURS DE CHALEUR COMPORTANT DES MATERIAUX DE PROTECTION

Publication

EP 1919650 A2 20080514 (EN)

Application

EP 06780270 A 20060801

Priority

- IB 2006052631 W 20060801
- IT RM20050105 U 20050805

Abstract (en)

[origin: WO2007017798A2] A device (1) for obtaining a junction between at least a first (2) and a second (3) element, which introduces a greater flexibility and cost-efficiency into this operation, comprises: a first main container (4), characterised in that it is open at least at one of its portions, able to be heated to high temperature, which in cooperation with closing means (5) defines an area for the junction of said first and second element to be joined (2, 3); one and/or a plurality of means (6, 7) for the containment of said first and second element to be joined (2, 3) and a spacer (8) apt to enclose said first element (2), which in conjunction with said closing means (5) and a plug (9) define a second main container (10), internal to said first main container (4) and structurally independent therefrom, provided with at least one access (11) for the introduction of a fluid under pressure such as to induce, on the surface opposite to the coupling surface of said first element (2), such a pressure as to press said first (2) and second element (3) against each other at a contact area.

IPC 8 full level

B23K 20/02 (2006.01); **B30B 11/00** (2006.01); **C04B 37/02** (2006.01); **B23K 101/06** (2006.01); **B23K 101/14** (2006.01); **B23K 103/18** (2006.01)

CPC (source: EP)

B23K 20/021 (2013.01); **B23K 20/023** (2013.01); **B30B 11/002** (2013.01); **C04B 37/021** (2013.01); **F28D 7/00** (2013.01); **F28F 9/0219** (2013.01); **B23K 2101/06** (2018.07); **B23K 2101/14** (2018.07); **B23K 2103/12** (2018.07); **B23K 2103/18** (2018.07); **B23K 2103/22** (2018.07); **B23K 2103/52** (2018.07); **B32B 2311/12** (2013.01); **C04B 2237/385** (2013.01); **C04B 2237/407** (2013.01); **F28F 19/02** (2013.01)

Citation (search report)

See references of WO 2007017798A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

WO 2007017798 A2 20070215; **WO 2007017798 A3 20071129**; EP 1919650 A2 20080514; IT RM20050105 U1 20070206

DOCDB simple family (application)

IB 2006052631 W 20060801; EP 06780270 A 20060801; IT RM20050105 U 20050805