

Title (en)

Collector with tap for high pressure fluid, heat exchanger with the collector and fabrication process

Title (de)

Sammelkasten mit Deckel für ein Hochdruckmedium, Wärmetauscher mit dem Sammelkasten und Herstellungsverfahren

Title (fr)

Boîte collectrice avec couvercle pour fluide haute pression, échangeur de chaleur comportant une telle boîte et procédé pour sa fabrication

Publication

**EP 1813903 B1 20080730 (FR)**

Application

**EP 07001090 A 20070118**

Priority

FR 0600884 A 20060131

Abstract (en)

[origin: EP1813903A1] The box has a collector plate (26) comprising openings (28) for inserting heat exchange tubes (18). A cover (44) is formed by machining a metal bar and comprises an internal surface (72) and external surface. Distribution channels (70) e.g. groove, are formed in the metal bar by emerging on the internal surface while permitting material of the bar to close a volume of the cover at the level of longitudinal ends of the cover, where the channels communicate with the heat exchange tubes. An independent claim is also included for a method for fabricating a collector box.

IPC 8 full level

**F28F 9/02** (2006.01); **F28D 1/053** (2006.01)

CPC (source: EP)

**F28D 1/05391** (2013.01); **F28F 9/0214** (2013.01); **F28F 9/0224** (2013.01); **F28F 9/0278** (2013.01); **F28D 2021/0085** (2013.01); **F28F 2225/08** (2013.01); **F28F 2250/04** (2013.01)

Cited by

US2017314792A1; JP2012052715A; CN104081149A; EP1857763A3; EP3745069A4; US10465924B2; US9901966B2; US11268767B2; WO2013116177A3

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

DOCDB simple family (publication)

**EP 1813903 A1 20070801**; **EP 1813903 B1 20080730**; AT E403126 T1 20080815; DE 602007000049 D1 20080911; ES 2312143 T3 20090216; FR 2896862 A1 20070803; FR 2896862 B1 20080411

DOCDB simple family (application)

**EP 07001090 A 20070118**; AT 07001090 T 20070118; DE 602007000049 T 20070118; ES 07001090 T 20070118; FR 0600884 A 20060131