

Title (en)

IMPROVED HEAT EXCHANGER WITH TUBES AND FINS AND METHOD FOR PRODUCING SUCH A HEAT EXCHANGER

Title (de)

VERBESSERTER WÄRMETAUSCHER MIT ROHREN UND RIPPEN UND VERFAHREN ZUR HERSTELLUNG SOLCH EINES WÄRMETAUSCHERS

Title (fr)

ECHANGEUR DE CHALEUR AMÉLIORÉ À TUBES ET AILETTES ET PROCÉDÉ DE FABRICATION D'UN TEL ÉCHANGEUR DE CHALEUR

Publication

EP 3247965 A1 20171129 (FR)

Application

EP 16700929 A 20160119

Priority

- FR 1550415 A 20150119
- EP 2016051041 W 20160119

Abstract (en)

[origin: WO2016116464A1] The invention relates to a heat exchanger comprising at least one tube (12) and at least one fin (14), the tube (12) being connected to the fin (14) by crimping said tube in a collar (16) made in the fin (14). The tube (12) or the fin (14) is coated with a layer of a material (22) different from those of the tube and the fin. Said layer forms a reserve of material (22) for sealing a potential gap between the tube (12) and the collar (16). Said sealing material (22) can be activated by melting.

IPC 8 full level

F28F 1/32 (2006.01)

CPC (source: EP)

F28F 1/32 (2013.01); **F28F 2235/00** (2013.01); **F28F 2275/02** (2013.01); **F28F 2275/025** (2013.01); **F28F 2275/125** (2013.01)

Citation (search report)

See references of WO 2016116464A1

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)

FR 3031804 A1 20160722; FR 3031804 B1 20180727; EP 3247965 A1 20171129; EP 3247965 B1 20190501; WO 2016116464 A1 20160728

DOCDB simple family (application)

FR 1550415 A 20150119; EP 16700929 A 20160119; EP 2016051041 W 20160119