

Title (en)

Heat exchanger and method for manufacturing a heat exchanger

Title (de)

Wärmetauscher und Verfahren zur Herstellung eines Wärmetauschers

Title (fr)

Échangeur thermique et procédé de fabrication d'un échangeur thermique

Publication

EP 2498040 A3 20140402 (DE)

Application

EP 12158321 A 20120306

Priority

- DE 102011005168 A 20110307
- DE 102011110635 A 20110818

Abstract (en)

[origin: EP2498040A2] The heat exchanger (100) has a base unit (110) that comprises two spaced separate, particularly non-circular, longitudinal receiving grooves (120) that are arranged on two opposite sides of the base unit. A cover element (150) has longitudinally running side projections (160) at the two opposite sides, where side projections extends along a receiving grooves into the receiving grooves. An independent claim is also included for a method for manufacturing heat exchanger.

IPC 8 full level

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

CPC (source: EP)

F28D 1/05366 (2013.01); **F28F 9/0226** (2013.01)

Citation (search report)

- [XY] FR 2752929 A1 19980306 - VALEO THERMIQUE MOTEUR SA [FR]
- [Y] DE 29704913 U1 19980716 - AUTOKUEHLER GMBH & CO KG [DE]
- [Y] DE 2357992 A1 19750522 - SUEDEDEUTSCHE KUEHLER BEHR
- [X] WO 2010052194 A1 20100514 - VALEO SYSTEMES THERMIQUES [FR], et al
- [X] JP 2001311596 A 20011109 - TOYO RADIATOR CO LTD

Cited by

DE102014219208A1; DE102014219210A1; DE102013225189A1; DE102013227113A1; WO2015096956A1; FR3084738A1; JP2016142510A; CN105829825A; JP2017503992A; RU2666262C2; WO2016045970A3; EP2852806B1; US10436526B2

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)

EP 2498040 A2 20120912; EP 2498040 A3 20140402; EP 2498040 B1 20171101

DOCDB simple family (application)

EP 12158321 A 20120306