

Title (en)

Plate heat exchanger with multiple modules connected with profiles

Title (de)

Plattenwärmetauscher mit mehreren Modulen verbunden mit Profilen

Title (fr)

Échangeur thermique à plaques avec plusieurs modules liés avec des profilés

Publication

**EP 2645038 B1 20150902 (DE)**

Application

**EP 12004195 A 20120531**

Priority

DE 102012006477 A 20120329

Abstract (en)

[origin: EP2645038A1] The plate heat exchanger (1) has two main modules (1a,1b) that are with the passages through which the heat-exchanging media is flowed, and are bounded on the outside by cover plates (5). A rectangular side (9a) of one main module is arranged adjacently to a respective rectangular side (9b) of another main module. The mold portions are fixed on the rectangular sides of the main modules.

IPC 8 full level

**F28D 9/00** (2006.01); **F28F 9/00** (2006.01); **F28F 9/007** (2006.01); **F25J 5/00** (2006.01)

CPC (source: EP US)

**F25J 5/002** (2013.01 - EP US); **F28D 9/0056** (2013.01 - US); **F28D 9/0068** (2013.01 - EP US); **F28F 9/001** (2013.01 - EP US); **F28F 9/0075** (2013.01 - EP US); **F25J 2290/32** (2013.01 - EP US); **F25J 2290/42** (2013.01 - EP US); **F25J 2290/50** (2013.01 - EP US); **F28F 3/083** (2013.01 - US); **F28F 9/26** (2013.01 - US)

Citation (opposition)

Opponent : anonymous

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- US 3372453 A 19680312 - BUTT ALAN G
- US 3986549 A 19761019 - HUGGINS HOMER D, et al
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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

DOCDB simple family (publication)

**EP 2645038 A1 20131002**; **EP 2645038 B1 20150902**; CN 103363823 A 20131023; CN 103363823 B 20170301; DE 102012006477 A1 20131002; JP 2013205009 A 20131007; JP 6265614 B2 20180124; US 10605536 B2 20200331; US 2013277027 A1 20131024

DOCDB simple family (application)

**EP 12004195 A 20120531**; CN 201310098761 A 20130326; DE 102012006477 A 20120329; JP 2013072666 A 20130329; US 201313852461 A 20130328