

Title (en)
Heat exchanger plate

Title (de)
Wärmetauscherplatte

Title (fr)
Plaque d'échangeur thermique

Publication
EP 1933105 A1 20080618 (EN)

Application
EP 06025626 A 20061211

Priority
EP 06025626 A 20061211

Abstract (en)

The present invention relates to a heat exchanger plate for the use in a plate heat exchanger having a first contact side (10) for contacting a primary heat exchanging fluid if the heat exchanger plate is assembled and used in a heat exchanger and a second contact side for contacting a secondary heat exchanging fluid if the heat exchanger plate is assembled and used in a heat exchanger, wherein the first contact side (10) and the second contact side each comprise a pattern forming respective uneven surfaces on the first and second contact sides and providing respective contact points or contact areas (14) for contacting a corresponding heat exchanger plate if assembled together in a plate heat exchanger, wherein a series of dents, indents, recesses, protrusions and/or additional corrugations (16, 17) are provided in the pattern on the first contact side (10) and/or on the second contact side between or outside the contact points or contact areas (14).

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F28F 3/08 (2013.01 - KR); **F28F 3/083** (2013.01 - EP)

Citation (search report)

- [X] US 4423772 A 19840103 - DAHLGREN JONS A [SE]
- [X] DE 3244547 A1 19840607 - GEA AHLBORN GMBH & CO KG [DE]
- [X] US 4915165 A 19900410 - DAHLGREN ARTHUR [SE], et al
- [X] WO 9300563 A1 19930107 - ALFA LAVAL THERMAL [SE]
- [A] WO 2005045346 A1 20050519 - APV PRODUCTS AS [DK], et al

Cited by
CN109519901A; EP4141372A3; FR3086377A1; CN102853707A; US2014251586A1; US10145625B2; US10113814B2; US2023402956A1;
WO2020065222A1; WO2019234756A1

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AL BA HR MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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