

Title (en)
Plate Heat Exchanger

Title (de)
Plattenwärmeaustauscher

Title (fr)
Échangeur thermique à plaques

Publication
EP 2233873 A1 20100929 (EN)

Application
EP 10155028 A 20100301

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Abstract (en)
The invention relates to a plate exchanger providing heat exchange between at least two fluids (A and B). Such plate heat exchanger consists of more than one exchanger plates wavy profile structure of which has been arranged in fishbone shape and the said curves provides a flowing turbulence during flowing of at least two fluids (A and B) through plate heat exchanger. The main purpose of the invention is to disclose a plate heat exchanger which increase the current heat transfer area between the channels where at least two different fluids (A and B) passes and increase the turbulence in the flowing channels where the cooling (heat taking) fluid passes, at least at the same rate provided by the existing art, with the feature of same size and at least of the same strength. The plate heat exchanger of the invention is characterized in that the curves forming the profile of the exchanger plates have at least two different heights along the longitudinal axis.

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F28D 9/005 (2013.01); **F28F 3/04** (2013.01); **F28F 3/08** (2013.01)

Citation (applicant)
EP 1630510 B1 20070103 - SWEP INT AB [SE]

Citation (search report)
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