

Title (en)
HEAT EXCHANGER PLATE

Publication
EP 0164391 B1 19870722 (EN)

Application
EP 85900237 A 19841205

Priority
SE 8306795 A 19831208

Abstract (en)
[origin: WO8502670A1] A heat exchanger plate has a primary heat exchange part (1b), two secondary heat exchange parts (2b, 3b) placed on each side of this one and four holes or ports (4b, 5b, 6b, 7b). Two of the ports are located at one of the secondary heat exchange parts in the same distance from but on each side of a centre line (M) of the plate. The two other ports are in a corresponding way located at the other secondary heat exchange part. The plate has in all heat exchange parts (1b, 2b, 3b) ridges and valleys embossed into it, which are so placed that when two plates are put against each other - one of them turned 180° relative to the other one - ridges in one plate intersectingly rest against ridges in the other plate. At least the ridges and the valleys in the secondary heat exchange parts (2b, 3b) are so embossed that they have a volume of essentially the same size on respective sides of the plate. In a plate of this kind each of the two secondary heat exchange parts is provided with ridges and valleys forming an angle with the centre line (M) of the plate. This angle (or these angles) differs from the angle (the angles) which the ridges and the valleys in the primary heat exchange part (1b) of the plate form with the centre line (M). Furthermore, the ridges and valleys of the plate form such angles with the centre line (M) that in a plate interspace they bring about less flow resistance in the areas of the secondary heat exchange parts (2b, 3b) of the plates - on both sides of the centre line (M) - than in the area of the primary heat exchange part (M) of the plates.

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F28F 3/00

IPC 8 full level
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IPC 8 main group level
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