

Title (en)
IMPROVEMENTS IN PLATE HEAT-EXCHANGERS.

Title (de)
VERBESSERUNG VON PLATTENWÄRMETAUSCHERN.

Title (fr)
AMELIORATIONS DANS LES ECHANGEURS DE CHALEUR A PLAQUES.

Publication
EP 0670988 A4 19951122 (EN)

Application
EP 94901695 A 19931206

Priority
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Abstract (en)
[origin: WO9414021A1] A plate heat-exchanger (12) has an assembly of plates (16) defining and separating alternate passages (14, 16) for the flow of a refrigerant and a heat-exchange fluid. Aligned holes (15) in the plates (16) provide inlets and outlets for the refrigerant and heat-exchange fluid to the respective passages (14, 16). A refrigerant distribution tube (26, 37) is located in the refrigerant inlet defined by holes (15). The tube (26, 37) has outlet apertures (27, 38) which direct refrigerant into the refrigerant passage (14). Blanking members (29, 39) blank off part of the opening into each refrigerant passage (14) to confine the refrigerant flow from the apertures (27, 38) to a predetermined path towards the plate centreline to ensure even refrigerant distribution.

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IPC 8 full level
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Citation (search report)
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• [X] GB 2250336 A 19920603 - NIPPON DENSO CO [JP]
• [X] EP 0106544 A1 19840425 - KOBE STEEL LTD [JP]
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• [A] WO 8607418 A1 19861218 - ALFA LAVAL FOOD & DAIRY ENG [SE]
• See references of WO 9414021A1

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WO 9414021 A1 19940623; AU 5619594 A 19940704; AU 686582 B2 19980212; CA 2151129 A1 19940623; CN 1065624 C 20010509; CN 1094156 A 19941026; EP 0670988 A1 19950913; EP 0670988 A4 19951122; IL 107850 A0 19940412; JP H08504027 A 19960430; MX 9307692 A 19940630; PT 101421 A 19950504; TW 232049 B 19941011; ZA 939173 B 19940808

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