

Title (en)
In-tube condensation process.

Title (de)
Kondensationsverfahren in Röhren.

Title (fr)
Procédé de condensation dans des tubes.

Publication
EP 0120630 A1 19841003 (EN)

Application
EP 84301467 A 19840306

Priority
GB 8307568 A 19830318

Abstract (en)
A heat exchange process of the kind in which a condensing vapour flows in parallel paths through a bundle of tubes (1), while coolant fluid flows over the exterior of the tubes. Each tube is provided with a flow restrictor (4) at its outlet, the degree of flow restrictions being such in relation to the fluid mass flow rate, that the restrictors are maintained full of condensate (5) across their entire cross-section. A reverse flow of vapour via the outlet manifold (3) into the outlets of certain tubes is thus prevented by the presence of condensate filling the restrictors and thermal inefficiency resulting from consequent occlusion by non-condensing gas of certain tubes is thus avoided.

IPC 1-7
F28B 9/04; **F22B 37/74**

IPC 8 full level
F22B 37/74 (2006.01); **F28B 1/06** (2006.01); **F28B 9/04** (2006.01); **F28D 7/16** (2006.01); **F28F 13/08** (2006.01)

CPC (source: EP)
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Citation (search report)

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EP 0120630 A1 19841003; CA 1197209 A 19851126; GB 2137330 A 19841003; GB 2137330 B 19860409; GB 8307568 D0 19830427; GB 8406204 D0 19840411; JP S6036888 A 19850226

DOCDB simple family (application)
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