

Title (en)  
HEAT EXCHANGER AS AN INJECTION EVAPORATOR FOR A REFRIGERATION MACHINE

Publication  
**EP 0330198 B1 19920115 (DE)**

Application  
**EP 89103178 A 19890223**

Priority  
DE 8802339 U 19880223

Abstract (en)  
[origin: EP0330198A2] A heat exchanger (1) provided as an injection evaporator for a refrigeration machine comprises a first section (11) with a broad flow cross-section, in which the refrigerant mixture can spread, at the bottom in the admission region, under the influence of gravity and subsequently rises in the manner of a flooded evaporator. A second section (12) follows, in which the flow cross-section is so narrow that a gas speed sufficient for oil transport is achieved. The boundary between the two sections lies below the region of complete evaporation of the refrigerant so that the oil reaches the second section mixed with liquid refrigerant. <IMAGE>

IPC 1-7  
**F25B 39/02**

IPC 8 full level  
**F25B 31/00** (2006.01); **F25B 39/02** (2006.01)

CPC (source: EP)  
**F25B 31/004** (2013.01); **F25B 39/024** (2013.01); **F28F 3/12** (2013.01); **F28F 13/08** (2013.01)

Cited by  
KR100817027B1; CN111520935A; US6557371B1; WO02063224A1

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DOCDB simple family (publication)  
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