

Title (en)

Free-draining evaporator for refrigeration system.

Title (de)

Verflüssiger mit freiem Abfluss für eine Kälteanlage.

Title (fr)

Evaporateur à décharge libre d'un système frigorifique.

Publication

EP 0624763 A1 19941117 (EN)

Application

EP 94303202 A 19940503

Priority

US 5884793 A 19930510

Abstract (en)

A refrigeration system has a high efficiency free-draining evaporator incorporated therein. Refrigerant compressed by a compressor and condensed by a condenser flows to the evaporator via expansion means, such as a capillary tube. The evaporator includes a conduit having an inlet at a higher elevation than an outlet. The conduit is free from obstructions and portions which can inhibit free gravitational drainage of the liquid phase of refrigerant flowing from the evaporator into a phase separator positioned below the evaporator. <IMAGE>

IPC 1-7

F25B 41/00; F25B 39/02; F25B 5/04

IPC 8 full level

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CPC (source: EP)

F25B 5/04 (2013.01); **F25B 39/02** (2013.01); **F25B 41/00** (2013.01); F25B 2400/13 (2013.01); **F25B 2400/23** (2013.01)

Citation (search report)

- [XY] EP 0485147 A1 19920513 - GEN ELECTRIC [US]
- [Y] US 1853724 A 19320412 - DAVENPORT RANSOM W
- [E] US 602371 A 18980412
- [A] FR 971034 A 19510111

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AU722536B2; CN104685305A; CN103994596A; EP1593918A3; FR2864212A1; EP3619481A4; EP2772706A3; WO9839605A1; WO2014048485A1; WO2005059450A1; WO03023297A1; US9441866B2; US10215460B2; US11215383B2; US11892208B2; US9228762B2; US9746208B2

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