

Title (en)

Channeled plate evaporator for refrigerating apparatus.

Title (de)

Kannelierter Plattenverdampfer für Kühlvorrichtungen.

Title (fr)

Evaporateur à plaques cannelé pour appareils frigorifiques.

Publication

EP 0289915 A1 19881109 (EN)

Application

EP 88106676 A 19880426

Priority

IT 4571887 A 19870505

Abstract (en)

Evaporator for refrigeration apparatus comprising steel plates (6,7) which are laser-welded together, so as to form suitable internal channel (20) for the refrigerant fluid, and then spot welded to ensure dimensional stability of the assembly. Said channel (20) takes up a whole volume of the evaporator and has a substantially rectangular, large-sized cross-section. t

IPC 1-7

F25B 39/02; F28D 1/03

IPC 8 full level

F25B 39/02 (2006.01); **F28D 1/03** (2006.01)

CPC (source: EP)

F25B 39/024 (2013.01); **F28D 1/035** (2013.01)

Citation (search report)

- [Y] US 2626130 A 19530120 - LEON RASKIN
- [Y] EP 0173655 A1 19860305 - FIAT AUTO SPA [IT]
- [A] US 2244475 A 19410603 - WALTER RASKIN
- [A] GB 885101 A 19611220 - CONTINENTALE DE PROCEDES DE SO
- [A] GB 873769 A 19610726 - TRANTER MFG INC
- [A] FR 2076017 A1 19711015 - INST ELEKTROSWARKI PATONA [SU]
- [A] FR 1320513 A 19630308 - SCHLATTER AG
- [A] FR 872687 A 19420616 - FROID IND ET DOUANE REUNIS
- [A] FR 2566306 A1 19851227 - BRUN MICHEL [FR]
- [A] FR 2204788 A1 19740524 - TRANTER MFG INC [US]
- [A] US 2067208 A 19370112 - SCHWELLER SYLVESTER M
- [A] PATENT ABSTRACTS OF JAPAN, vol. 7, no. 128 (M-220)[1273], 3rd June 1983; & JP-A-58 047 590 (TOKYO SHIBAURA DENKI K.K.) 19-03-1983

Cited by

FR2797685A1; EP1285203A4; FR2797039A1; EP0797064A3; US5875838A; US6032470A; US7044207B1; EP2445378A4; WO0107854A1; WO9531686A1; WO2024085259A1

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