

Title (en)
REFRIGERATING EXCHANGER, METHOD FOR CONTROLLING SAME, AND REFRIGERATION FACILITY COMPRISING SAID EXCHANGER

Title (de)
KÄLTETAUSCHER, VERFAHREN ZU SEINER REGELUNG UND EINE KÄLTEANLAGE MIT EINEM SOLCHEN KÄLTETAUSCHER

Title (fr)
ECHANGEUR FRIGORIFIQUE, PROCEDE DE COMMANDE D'UN TEL ECHANGEUR ET INSTALLATION DE REFRIGERATION COMPORTANT UN TEL ECHANGEUR

Publication
EP 0730719 A1 19960911 (FR)

Application
EP 95902819 A 19941130

Priority
• FR 9401401 W 19941130
• FR 9314460 A 19931202

Abstract (en)
[origin: US5704221A] PCT No. PCT/FR94/01401 Sec. 371 Date Jul. 2, 1996 Sec. 102(e) Date Jul. 2, 1996 PCT Filed Nov. 30, 1994 PCT Pub. No. WO95/15467 PCT Pub. Date Jun. 8, 1995A refrigerating exchanger (1) for a refrigeration facility such as a cold storage room or a refrigerated display case, including a refrigerant or heat-removing fluid circulating assembly (5) connected to a heat exchanging assembly (6) with a large surface area. The assemblies (5, 6) form an array of several layers (7) and several rows (8) in the form of a plurality of mutually similar parallel members (9) separated by spacers (10) for providing heat insulation and collecting defrosting runoff water. Each member (9) comprises at least one layer (7) as well as a respective inlet (11) and outlet (12) forming part of the circulating assembly (5). At least three members (9) of the array each have a refrigerating capacity that is a fraction of the overall standard rating of the exchanger (1) so that at any one time during the operation of the exchanger (1), at least one of the members (9) can be in defrosting mode while at least two of the members (9) are in refrigerating mode, the members (9) being in turn in defrosting mode and in refrigerating mode.

IPC 1-7
F25B 5/02; **F25D 21/08**; **F25D 17/06**

IPC 8 full level
F25D 21/02 (2006.01); **F25B 5/02** (2006.01); **F25B 41/00** (2006.01); **F25B 41/04** (2006.01); **F25B 47/02** (2006.01); **F25D 17/06** (2006.01); **F25D 21/06** (2006.01)

CPC (source: EP US)
F25B 5/02 (2013.01 - EP US); **F25B 39/028** (2013.01 - EP US); **F25B 41/48** (2021.01 - EP); **F25D 17/067** (2013.01 - EP US); **F25D 21/06** (2013.01 - EP US); **F25B 2347/021** (2013.01 - EP US)

Citation (search report)
See references of WO 9515467A1

Cited by
CN105276874A; CN108253664A

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 5704221 A 19980106; AT E166958 T1 19980615; CA 2178080 A1 19950608; DE 69410823 D1 19980709; DE 69410823 T2 19990114; EP 0730719 A1 19960911; EP 0730719 B1 19980603; ES 2118541 T3 19980916; FR 2713320 A1 19950609; FR 2713320 B1 19960202; JP H09505879 A 19970610; WO 9515467 A1 19950608

DOCDB simple family (application)
US 65253396 A 19960702; AT 95902819 T 19941130; CA 2178080 A 19941130; DE 69410823 T 19941130; EP 95902819 A 19941130; ES 95902819 T 19941130; FR 9314460 A 19931202; FR 9401401 W 19941130; JP 51544895 A 19941130