

Title (en)
REFRIGERATOR

Publication
EP 0000217 B1 19810916 (EN)

Application
EP 78200036 A 19780612

Priority
• NL 7706880 A 19770622
• NL 7714306 A 19771223

Abstract (en)
[origin: ES470936A1] A refrigerator comprising a freezing compartment and a refrigerating compartment which refrigerator is provided with a primary refrigerating system containing a refrigerant with a primary evaporator disposed in the freezing compartment, and a secondary refrigerating system which also contains a refrigerant with a secondary evaporator disposed in the refrigerating compartment, and a secondary condensor which is in heat-exchanging contact with the primary evaporator, which condensor has a condensation wall on whose surface the refrigerant condenses during operation, means being provided for varying the available condensation wall area, so as to control the temperature of the secondary evaporator. Preferably, the secondary condensor is provided with a reservoir containing a control gas, which during operation constitutes an interface with the refrigerant vapor at the location of the condensation wall, the interface being movable along the condensation wall with the aid of a reversible control gas getter, which can be heated and which is located in the reservoir, which getter enables the amount of free control gas to be varied. The reversible control-gas getter can be heated by means of an electric heating element which is included in an electrical control circuit.

IPC 1-7
F25D 11/02; **F25B 25/00**; **F28D 15/00**

IPC 8 full level
F25B 25/00 (2006.01); **F25D 11/02** (2006.01); **F28D 15/02** (2006.01); **F28D 15/06** (2006.01); **F25B 23/00** (2006.01)

CPC (source: EP US)
F25B 25/005 (2013.01 - EP US); **F25D 11/025** (2013.01 - EP US); **F28D 15/0233** (2013.01 - EP US); **F28D 15/06** (2013.01 - EP US); **F25B 23/006** (2013.01 - EP US); **F25D 2400/30** (2013.01 - EP US)

Cited by
FR2682746A1; EP0136458A1; GB2122734A; EP2165135A4

Designated contracting state (EPC)
DE FR GB NL SE

DOCDB simple family (publication)
EP 0000217 A1 19790110; **EP 0000217 B1 19810916**; AR 217693 A1 19800415; AU 3723378 A 19800103; AU 519150 B2 19811112; CA 1088333 A 19801028; DE 2861071 D1 19811203; ES 470936 A1 19790201; IT 1096563 B 19850826; IT 7824625 A0 19780616; JP S5410467 A 19790126; JP S6337303 B2 19880725; US 4258554 A 19810331

DOCDB simple family (application)
EP 78200036 A 19780612; AR 27248578 A 19780607; AU 3723378 A 19780619; CA 305542 A 19780615; DE 2861071 T 19780612; ES 470936 A 19780620; IT 2462578 A 19780616; JP 7332078 A 19780619; US 91140078 A 19780601