

Title (en)

Fridge and freezer unit, method for controlling a compressor in a fridge and freezer unit and control circuit for such a compressor

Title (de)

Kühl- und Gefrieranlage, Regelverfahren eines Verdichters in einer Kühl- und Gefrieranlage und Regelkreis für einen derartigen Verdichter

Title (fr)

Installation de réfrigération et de congélation, procédé de commande d'un compresseur dans une installation de réfrigération et de congélation et circuit de commande pour un tel compresseur

Publication

EP 0859208 A3 20001108 (EN)

Application

EP 98102408 A 19980212

Priority

DK 17297 A 19970218

Abstract (en)

[origin: EP0859208A2] A fridge and freezer unit (1) is described which comprises a freezing chamber (2) and a refrigeration chamber (3) and a cooling system with a variable-speed compressor (6) which is connected with a cooling circuit which has a cooling surface (11,12) in each storage chamber. In order to have an individual energy economic cooling which is in balance depending on the cooling demand which exists in the refrigeration chamber (3) and the freezing chamber (2), a temperature meter is arranged in the refrigeration chamber which is used to turn on and off the variable-speed compressor (6) and a temperature meter in the freezing chamber (2) which is intended for regulating the number of revolutions for the compressor (6). With this construction it is possible to regulate the temperature balance of the cooling surfaces (11,12), and accordingly, the cooling effect in each of the chambers (2,3). <IMAGE>

IPC 1-7

F25D 29/00; **F25D 11/02**; **F25B 49/02**; **G05D 23/19**

IPC 8 full level

F25B 49/02 (2006.01); **F25D 11/02** (2006.01); **F25D 29/00** (2006.01)

CPC (source: EP)

F25B 49/022 (2013.01); **F25D 11/022** (2013.01); **F25D 29/005** (2013.01); **F25D 2400/04** (2013.01)

Citation (search report)

- [PX] US 5711159 A 19980127 - WHIPPLE III WALTER [US]
- [X] US 4718247 A 19880112 - KOBAYASHI MINORU [JP], et al
- [A] EP 0583560 A2 19940223 - BOSCH SIEMENS HAUSGERAETE [DE]
- [A] US 5534760 A 19960709 - JUNG YEONG C [KR]
- [A] US 3508605 A 19700428 - KUSUDA ZENJI, et al
- [A] US 5555736 A 19960917 - WILLS FRANK E [US], et al
- [A] EP 0565312 A2 19931013 - GEN ELECTRIC [US]
- [A] US 5255530 A 19931026 - JANKE DONALD E [US]
- [A] US 4086780 A 19780502 - DIENEMANN WOLFGANG

Cited by

EP1111319A3; EP1845322A3; EP1845322A2; US6675590B2; EP1398584A1; WO0246668A1; WO03025480A1; DE102015210109A1; WO2016192949A1; TWI489074B

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0859208 A2 19980819; **EP 0859208 A3 20001108**; DK 17297 A 19980819; DK 173726 B1 20010730; NO 307942 B1 20000619; NO 980617 D0 19980213; NO 980617 L 19980819

DOCDB simple family (application)

EP 98102408 A 19980212; DK 17297 A 19970218; NO 980617 A 19980213