

Title (en)

Device for controlling the temperature of a chamber within the refrigeration compartment of a refrigerator

Title (de)

Temperaturregelvorrichtung für eine Kammer in der Kühlabteilung eines Kühlschranks

Title (fr)

Dispositif de régulation de température pour une enceinte dans le compartiment de réfrigération d'un réfrigérateur

Publication

EP 0849553 A3 20001213 (EN)

Application

EP 97122047 A 19971215

Priority

IT MI962698 A 19961220

Abstract (en)

[origin: EP0849553A2] Within the preservation compartment (2) of a refrigerator, in particular a static refrigerator, there is provided a chamber (10) at controlled temperature close to 0 DEG C, in which temperature sensor means (20) are positioned connected to control means (9) for the refrigeration circuit of said refrigerator. Selector means (21) are provided enabling said control means (9) to sense when said chamber (10) is used as a temperature controlled chamber and to control the refrigeration circuit on the basis of the temperature measured by said sensor means (20), said control occurring in accordance with at least two different modes by comparing said measurement with different set temperature values depending on the presence or absence of a selection signal generated by said selector means (21). The temperature controlled chamber (10) is provided within the preservation compartment (2). <IMAGE>

IPC 1-7

F25D 29/00; **F25D 11/02**; **F25D 17/04**

IPC 8 full level

F25D 11/02 (2006.01); **F25D 29/00** (2006.01); **F25D 17/04** (2006.01)

CPC (source: EP)

F25D 11/02 (2013.01); **F25D 29/00** (2013.01); **F25D 17/04** (2013.01); **F25D 2317/061** (2013.01); **F25D 2400/04** (2013.01); **F25D 2400/16** (2013.01); **F25D 2400/30** (2013.01); **F25D 2400/361** (2013.01); **F25D 2700/12** (2013.01); **F25D 2700/121** (2013.01)

Citation (search report)

- [A] US 3590911 A 19710706 - HORVAY JULIUS B
- [A] DE 3810655 A1 19900118 - HOLZER WALTER [DE]
- [A] US 5060486 A 19911029 - LINSTROMBERG WILLIAM J [US]
- [A] US 2322714 A 19430622 - MILTON KALISCHER
- [A] US 4646528 A 19870303 - MARCADE ROQUE D [US], et al
- [A] EP 0352475 A2 19900131 - ZANUSSI A SPA INDUSTRIE [IT]
- [A] DE 4432439 A1 19960314 - BAUKNECHT HAUSGERAETE [DE]
- [A] EP 0383222 A2 19900822 - MERLONI ELETTRODOMESTICI SPA [IT]
- [A] US 4689966 A 19870901 - NONAKA HIKARU [JP]
- [A] US 5377498 A 19950103 - CUR NIHAT O [US], et al

Cited by

WO2004015341A1; CN103822426A; CN1310004C; DE10355506A1; DE10355506B4; US7059142B2; CN103958990A; EP2587196A1; US11578907B2; WO03069244A1; WO0079191A1; WO2006011099A1; WO2021147244A1

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 0849553 A2 19980624; **EP 0849553 A3 20001213**; **EP 0849553 B1 20040915**; DE 69730676 D1 20041021; DE 69730676 T2 20050922; ES 2227647 T3 20050401; IT 1289491 B1 19981015; IT MI962698 A1 19980620

DOCDB simple family (application)

EP 97122047 A 19971215; DE 69730676 T 19971215; ES 97122047 T 19971215; IT MI962698 A 19961220