Title (en)

Device for reducing energy consumption during refrigerator defrosting.

Title (de)

Vorrichtung zum Herabsetzen des Energieverbrauchs während der Entfrostung eines Kühlschrankes.

Title (fr)

Dispositif pour réduire la consommation d'énergie pendant le dégivrage d'un réfrigérateur.

Publication

EP 0603576 A3 19950118 (EN)

Application

EP 93118974 A 19931125

Priority

IT MI921087 U 19921222

Abstract (en)

[origin: EP0603576A2] A device (10) for reducing energy consumption during the defrosting of a refrigerator (1), such as a domestic refrigerator, comprising at least one compartment, such as a refrigeration compartment (4), either in combination or not in combination with a preservation and/ or freezing compartment (3), and provided with at least one electrical resistance heater (8) for automatically defrosting the usual evaporator (7) contained in said compartment (4), said refrigerator (1) being located in an environment such as a kitchen, cellar or the like, comprises at least one temperature sensor (15) connected to a switch member (16) connected in series with said electrical resistance heater (8), said sensor (15) being arranged to measure the temperature of the environment housing the refrigerator (1) and to interrupt electrical feed to the resistance heater (8) when ambient temperature exceeds a predetermined value such as to allow at least partial defrosting of the evaporator (7) without the operation of said resistance heater (8). <IMAGE>

IPC 1-7

F25D 21/08

IPC 8 full level

F25D 21/08 (2006.01)

CPC (source: EP)

F25D 21/08 (2013.01); F25D 2400/04 (2013.01)

Citation (search report)

- [XA] FR 2347634 A1 19771104 - BOSCH SIEMENS HAUSGERAETE [DE]
- [YA] DE 2557794 A1 19770623 - LICENTIA GMBH
- [Y] DE 943169 C 19560517 - GEN MOTORS CORP
- [A] DE 1963336 A1 19700827 - ULGOR SCI

Cited by

EP1726895A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0603576 A2 19940629; **EP 0603576 A3 19950118**; IT 227082 Y1 19970909; IT MI921087 U1 19940622; IT MI921087 V0 19921222

DOCDB simple family (application)

EP 93118974 A 19931125; IT MI921087 U 19921222