

Title (en)

No-frost plural-compartment refrigerator.

Title (de)

Kühlschrank mit mehreren Fächern ohne Eisbildung.

Title (fr)

Réfrigérateur à plusieurs compartiments sans formation de givre.

Publication

EP 0541172 A2 19930512 (EN)

Application

EP 92203374 A 19921104

Priority

IT MI912985 A 19911108

Abstract (en)

The refrigerator comprises at least two compartments (1, 2), one (1) at lower temperature and the other (2) at higher temperature, and a frigorific circuit (8) including an evaporator (7) in a position of thermal exchange with the compartment (1) at lower temperature, a condenser (10) and a compressor (9) that can be disconnected periodically when the temperature inside the compartment (1) at lower temperature falls below a pre-set minimum value. A fan (16) determines a forced circulation of air through said evaporator (7) and inside said compartments (1, 2). There are valve means (22) that, when the compressor (9) is disactivated, are in a position where they close the compartment (1) at lower temperature against said forced circulation of air and where they convey all said air to the compartment (2) at higher temperature. <IMAGE>

IPC 1-7

F25D 17/06; **F25D 21/04**

IPC 8 full level

F25D 17/06 (2006.01); **F25D 17/04** (2006.01)

CPC (source: EP)

F25D 17/065 (2013.01); **F25D 17/045** (2013.01); **F25D 2317/0653** (2013.01); **F25D 2317/067** (2013.01); **F25D 2400/04** (2013.01); **F25D 2700/122** (2013.01)

Cited by

EP0644385A1; CN106766538A; US5822998A; CN103062976A; EP0592004A1; US5433086A; GB2496949A; GB2496948A; GB2496948B; WO2004005814A1; WO0216843A1; WO9527178A1; EP0845643B1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0541172 A2 19930512; **EP 0541172 A3 19930519**; **EP 0541172 B1 19960626**; DE 69211813 D1 19960801; DE 69211813 T2 19961107; IT 1251989 B 19950527; IT MI912985 A0 19911108; IT MI912985 A1 19930508

DOCDB simple family (application)

EP 92203374 A 19921104; DE 69211813 T 19921104; IT MI912985 A 19911108