

Title (en)
Refrigerator apparatus with freezer compartment and simplified defrosting device

Title (de)
Kühlvorrichtung mit Gefrierfach und Abtauvorrichtung

Title (fr)
Appareil frigorifique avec congélateur et dispositif de dégivrage

Publication
EP 1586837 A1 20051019 (EN)

Application
EP 04101589 A 20040416

Priority
EP 04101589 A 20040416

Abstract (en)
Refrigerator apparatus comprising: - a refrigeration compartment (2), - a freezing compartment (3) placed inside said refrigeration compartment (2), - a refrigerating assembly with a compressor (6) and a condenser (7), - air conveying means (8) able to allow air communication between said refrigeration compartment (2) and said freezer compartment (3), and placed into said refrigeration compartment (2), - two evaporators (4,5), lodged inside said conveying means (8), - two fans (12,13), each of them being able to blow respective air-flows from the inside of said refrigeration compartment (2) towards the inside of said freezing compartment (3), passing through or over a respective said evaporator, - a three-ways valve (14) able to selectively deviate the refrigeration liquid coming from said condenser (7) to either said evaporators; it is able to operate in a first mode wherein only a specific fan and said valve being activated to make to work the corresponding evaporator, in the second mode being operated the other fan only and said valve being activated to make to work only the corresponding other evaporator. <IMAGE>

IPC 1-7
F25D 17/06; **F25D 21/12**

IPC 8 full level
F25D 17/06 (2006.01); **F25D 21/12** (2006.01); **F25D 11/02** (2006.01)

CPC (source: EP)
F25D 17/065 (2013.01); **F25D 21/12** (2013.01); **F25B 2347/021** (2013.01); **F25B 2600/2511** (2013.01); **F25D 11/022** (2013.01); **F25D 2317/0665** (2013.01); **F25D 2317/0666** (2013.01); **F25D 2317/0682** (2013.01)

Citation (search report)
• [XY] US 5901570 A 19990511 - SIN JUN-CHUL [KR]
• [Y] US 3572052 A 19710323 - TOTH STEVEN J
• [A] WO 0237038 A1 20020510 - ARCELIK AS [TR], et al

Cited by
US2017284724A1; EP1918662A3; CN103363761A; CN106322884A; CN103900325A; CN111829256A; EP2146164A3; ITTO20080541A1; CN106152675A; EP3396279A1; US10302345B2; US10775094B2; US11473828B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1586837 A1 20051019

DOCDB simple family (application)
EP 04101589 A 20040416