

Title (en)
Improvred deep-freezing apparatus with separate freezing compartment

Title (de)
Tiefgefriergerät mit einem getrennten Gefrierfach

Title (fr)
Appareil de surgélation avec un compartiment séparé de congélation

Publication
EP 1457748 A3 20050727 (EN)

Application
EP 04002533 A 20040205

Priority
IT PN20030021 A 20030312

Abstract (en)
[origin: EP1457748A2] Deep-freezing apparatus comprising at least an internal storage room (1), an evaporator (2) that is preferably installed inside said storage room (1), and a first door (3) closing said storage room (1) with respect to the outside ambient, in which inside said storage room (1) there is arranged a super-cooled enclosed compartment (4), which is separate from said storage room (1) by means of at least a partition member (5) and is accessible through a second thermally insulated door (6). Such a separate compartment (4) is provided with an evaporator (8) of its own, which may be either connected functionally with the evaporator (2) of the main storage room or operate autonomously. Preferably, this separate compartment (4) may contain a fan (9), and this fan (9) may operate at the same time as the evaporator (8) of said compartment (4) in an autonomous and selectively pre-definable manner. <IMAGE>

IPC 1-7
F25D 11/02; **F25D 17/06**

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

CPC (source: EP)
F25D 11/022 (2013.01); **F25D 17/065** (2013.01); **F25D 2400/30** (2013.01)

Citation (search report)

- [XY] GB 1375335 A 19741127
- [Y] EP 1074803 A2 20010207 - CANDY SPA [IT]
- [YA] EP 1245914 A2 20021002 - SAMSUNG ELECTRONICS CO LTD [KR]
- [X] US 5737939 A 19980414 - VALENCE JOHN H [US], et al
- [A] DE 4322247 A1 19950112 - LICENTIA GMBH [DE]

Cited by
EP1918664A3; US9557092B1

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 PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1457748 A2 20040915; **EP 1457748 A3 20050727**; DE 202004021117 U1 20070104; IT PN20030021 A1 20040913

DOCDB simple family (application)
EP 04002533 A 20040205; DE 202004021117 U 20040205; IT PN20030021 A 20030312