

Title (en)  
Freezing apparatus

Title (de)  
Gefriergerät

Title (fr)  
Appareil de congélation

Publication  
**EP 1037003 A3 20001025 (DE)**

Application  
**EP 99125803 A 19991223**

Priority  
DE 19911979 A 19990317

Abstract (en)  
[origin: EP1037003A2] The freezer has a fan that forces ambient air to be cooled over an evaporator of a coolant circuit contg. a compressor and a condenser and a heater that thaws the evaporator during thawing phases, during which the compressor and fan are pref. not operating. A controller lowers the temp. in the freezer compartment or of the frozen goods to below the desired value before each thawing phase.

IPC 1-7  
**A47F 3/04**; **F25D 29/00**; **F25D 21/06**

IPC 8 full level  
**A47F 3/04** (2006.01); **F25B 49/02** (2006.01); **F25D 21/00** (2006.01); **F25D 21/06** (2006.01); **F25D 29/00** (2006.01); **F25B 47/02** (2006.01)

CPC (source: EP)  
**F25B 49/022** (2013.01); **F25D 21/006** (2013.01); **F25B 47/02** (2013.01)

Citation (search report)  
• [XY] US 4569205 A 19860211 - DEMPOU KAZUO [JP], et al  
• [X] US 4646536 A 19870303 - YAMADA TETURO [JP], et al  
• [X] US 5038575 A 19910813 - YAMADA TETSURO [JP]  
• [Y] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 09 30 September 1997 (1997-09-30)

Cited by  
CN112050532A; EP4027082A1; IT202100000182A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 1037003 A2 20000920**; **EP 1037003 A3 20001025**; **EP 1037003 B1 20030625**; AT E243452 T1 20030715; DE 19911979 A1 20000928; DE 59906091 D1 20030731; ES 2203000 T3 20040401

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**EP 99125803 A 19991223**; AT 99125803 T 19991223; DE 19911979 A 19990317; DE 59906091 T 19991223; ES 99125803 T 19991223