

Title (en)
Direct cooling type refrigerator

Title (de)
Kühlschrank mit direkter Kühlung

Title (fr)
Armoire frigorifique du type à refroidissement direct

Publication
EP 1271079 A3 20030305 (EN)

Application
EP 02002459 A 20020201

Priority
KR 20010037696 A 20010628

Abstract (en)
[origin: EP1271079A2] Disclosed is a direct cooling type refrigerator in which heat transfer promoting means (90) having a high thermal diffusivity is installed at a portion of an evaporator (70) where a temperature sensor (80) adapted to sense the temperature of the evaporator (70), in order to rapidly transfer a variation in the temperature of a thermal insulator (31) filled in the refrigerator. Accordingly, the temperature sensor (80) can rapidly sense an increase in the temperature of the thermal insulator (31) occurring in the OFF state of a compressor (54), thereby allowing the compressor (54) to be accurately and rapidly controlled. <IMAGE>

IPC 1-7
F25D 29/00; F25B 39/02; F25D 23/06

IPC 8 full level
F25D 17/04 (2006.01); **F25D 19/00** (2006.01); **F25D 23/06** (2006.01); **F25D 29/00** (2006.01); F25B 39/02 (2006.01); **F25D 11/02** (2006.01); **F25D 23/00** (2006.01)

CPC (source: EP KR)
F25D 23/061 (2013.01 - EP); **F25D 29/00** (2013.01 - KR); **F25D 29/005** (2013.01 - EP); **F25B 39/024** (2013.01 - EP); **F25D 11/022** (2013.01 - EP); **F25D 23/006** (2013.01 - EP); **F25D 2400/04** (2013.01 - EP); **F25D 2700/10** (2013.01 - EP)

Citation (search report)

- [X] US 6089146 A 20000718 - NAM JAE-WOOK [KR], et al
- [A] US 2479733 A 19490823 - DODSON WAYNE E
- [A] US 4074987 A 19780221 - KRULEWICH EDWARD B
- [A] GB 859093 A 19610118 - PORTER & CO SALFORD LTD T

Cited by
CN104896801A; US2010071403A1; DE102006061098B4; WO2008077749A1; US10883754B2; US10962273B2; US10976092B2

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DOCDB simple family (publication)
EP 1271079 A2 20030102; **EP 1271079 A3 20030305**; **EP 1271079 B1 20061011**; CN 100406822 C 20080730; CN 1393670 A 20030129; DE 60215258 D1 20061123; DE 60215258 T2 20070524; JP 2003028565 A 20030129; JP 4142301 B2 20080903; KR 100371331 B1 20030207

DOCDB simple family (application)
EP 02002459 A 20020201; CN 02105391 A 20020228; DE 60215258 T 20020201; JP 2002028960 A 20020206; KR 20010037696 A 20010628