

Title (en)

Refrigerator and operation control method thereof

Title (de)

Kühlschrank und Betriebssteuerungsverfahren dafür

Title (fr)

Réfrigérateur et procédé de commande de fonctionnement correspondant

Publication

**EP 2339276 A3 20180523 (EN)**

Application

**EP 10193809 A 20101206**

Priority

KR 20090129106 A 20091222

Abstract (en)

[origin: EP2339276A2] Disclosed herein is a refrigerator. In a refrigeration cycle including a channel switching valve (34) to selectively supply a refrigerant to a first evaporator side (28) and/or a second evaporator (29) side and hot pipes (32,33), a hot pipe on a freezing chamber side and a hot pipe on a refrigerating chamber are disposed upstream and downstream of the channel switching valve (34), respectively to reduce unbalance in amounts of the refrigerant and in the amounts of generated heat.

IPC 8 full level

**F25D 21/14** (2006.01); **F25D 11/02** (2006.01); **F25D 21/04** (2006.01); **F25B 5/00** (2006.01)

CPC (source: EP KR US)

**F25B 5/04** (2013.01 - KR); **F25D 11/022** (2013.01 - EP KR US); **F25D 21/04** (2013.01 - EP KR US); **F25B 5/00** (2013.01 - EP US); **F25B 2400/0409** (2013.01 - EP KR US); **F25B 2600/2511** (2013.01 - EP KR US)

Citation (search report)

- [A] US 2007068180 A1 20070329 - YOON WON-JAE [KR], et al
- [A] JP 2000018790 A 20000118 - TOSHIBA CORP, et al
- [A] US 2007039339 A1 20070222 - LEE JUNG-HUN [KR]
- [A] KR 20070040117 A 20070416 - DAEWOO ELECTRONICS CORP [KR]

Cited by

WO2014023689A1; WO2018001504A1; WO2024080510A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2339276 A2 20110629**; **EP 2339276 A3 20180523**; **EP 2339276 B1 20190327**; CN 102102934 A 20110622; CN 102102934 B 20150114; KR 101666428 B1 20161017; KR 20110072251 A 20110629; US 2011146310 A1 20110623

DOCDB simple family (application)

**EP 10193809 A 20101206**; CN 201010600753 A 20101220; KR 20090129106 A 20091222; US 96405810 A 20101209