

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)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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)

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