

Title (en)
Refrigerator and control method thereof

Title (de)
Kühlschrank und Steuerungsverfahren dafür

Title (fr)
Réfrigérateur et son procédé de commande

Publication
EP 2469203 A3 20141015 (EN)

Application
EP 11192735 A 20111209

Priority
KR 20100132638 A 20101222

Abstract (en)
[origin: EP2469203A2] A refrigerator, the temperature of the inside of which is uniformly controlled, and a control method thereof. The direction of an air flow in a storage chamber is periodically changed so as to uniformly distribute cool air in the storage chamber by interchanging roles of suction and discharge holes in various manners under various conditions, thereby preventing local supercooling and thus uniformly maintaining the internal temperature of the storage chamber.

IPC 8 full level
F25D 17/06 (2006.01)

CPC (source: EP US)
F25D 17/062 (2013.01 - EP US); **F25B 2600/112** (2013.01 - EP US); **F25D 31/005** (2013.01 - EP US); **F25D 2317/0684** (2013.01 - EP US)

Citation (search report)

- [X] US 2008000256 A1 20080103 - SHIN SUNG HYUN [KR]
- [X] US 5867994 A 19990209 - KOPKO WILLIAM L [US]
- [X] US 2010050665 A1 20100304 - OSWALD IAN [US], et al
- [X] US 2439487 A 19480413 - REILLY FRANK J
- [E] EP 2426441 A2 20120307 - VESTEL BEYAZ ESYA SANAYI VE TICARET AS [TR]
- [A] US 2010115972 A1 20100513 - LEE SOO KWAN [KR], et al
- [A] US 2009214336 A1 20090827 - YOSHIDA YUSUKE [JP]

Cited by
EP3786552A1

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 2469203 A2 20120627; EP 2469203 A3 20141015; CN 102564004 A 20120711; KR 20120071054 A 20120702; US 2012159974 A1 20120628

DOCDB simple family (application)
EP 11192735 A 20111209; CN 201110450966 A 20111221; KR 20100132638 A 20101222; US 201113313394 A 20111207