

Title (en)  
REFRIGERATOR

Title (de)  
KÜHLSCHRANK

Title (fr)  
RÉFRIGÉRATEUR

Publication  
**EP 3338041 A4 20190410 (EN)**

Application  
**EP 16876021 A 20161214**

Priority

- JP 2015246469 A 20151217
- JP 2015255166 A 20151225
- JP 2016076994 A 20160407
- JP 2016099295 A 20160518
- KR 20160095021 A 20160726
- KR 2016014651 W 20161214

Abstract (en)  
[origin: JP2017190936A] PROBLEM TO BE SOLVED: To provide a refrigerator configured to execute defrosting operation with a heater, which can suppress temperature rise in the refrigerator while shortening a defrosting operation time.SOLUTION: A refrigerator includes two evaporators 4, 5, a switching mechanism 8 configured to switch a refrigerant supply state of the two evaporators 4, 5, an evaporator temperature sensor provided in the evaporator 5 for refrigeration, and a plurality of heaters 91, 92 provided in the evaporator 5 for refrigeration. During defrosting operation of the evaporator 5 for refrigeration, switching of a refrigerant supply state is performed at least once by the switching mechanism 8 based on a detection temperature of the evaporator temperature sensor; and output of the plurality of heaters 91, 92 is controlled based on the detection temperature of the evaporator temperature sensor.SELECTED DRAWING: Figure 1

IPC 8 full level  
**F25D 21/06** (2006.01); **F25B 39/02** (2006.01); **F25B 41/04** (2006.01); **F25D 17/06** (2006.01); **F25D 21/08** (2006.01); **F25D 29/00** (2006.01)

CPC (source: EP US)  
**F25B 49/02** (2013.01 - EP); **F25D 17/062** (2013.01 - US); **F25D 17/065** (2013.01 - EP US); **F25D 21/002** (2013.01 - US); **F25D 21/08** (2013.01 - EP); **F25B 2400/23** (2013.01 - EP); **F25B 2700/11** (2013.01 - EP); **F25B 2700/2103** (2013.01 - EP); **F25B 2700/2117** (2013.01 - EP); **F25D 17/045** (2013.01 - EP US); **F25D 2317/063** (2013.01 - EP US); **F25D 2317/067** (2013.01 - EP); **F25D 2317/0682** (2013.01 - EP); **F25D 2317/0684** (2013.01 - EP); **F25D 2600/02** (2013.01 - US); **F25D 2600/04** (2013.01 - US)

Citation (search report)

- [XAI] JP 2013204891 A 20131007 - HAIER ASIA INT CO LTD
- [A] KR 20030028952 A 20030411 - LG ELECTRONICS INC [KR]
- [A] US 2006218962 A1 20061005 - MARQUES MARCO EDUARDO [BR], et al
- See references of WO 2017105079A1

Cited by  
US11480382B2; US11397048B2; US11154005B2; US11692770B2; EP3680588A1; US11592228B2; WO2020135979A1; EP3680588B1; EP3903049B1

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

DOCDB simple family (publication)  
CN 108369052 A 20180803; CN 108369052 B 20201110; EP 3338041 A1 20180627; EP 3338041 A4 20190410; EP 3338041 B1 20200408; JP 2017190936 A 20171019

DOCDB simple family (application)  
CN 201680073477 A 20161214; EP 16876021 A 20161214; JP 2016099295 A 20160518