

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
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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)

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- [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

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

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