

Title (en)
Refrigerator

Title (de)
Kühlschrank

Title (fr)
Réfrigérateur

Publication
EP 2677252 B1 20220921 (EN)

Application
EP 13172372 A 20130618

Priority
KR 20120067111 A 20120622

Abstract (en)
[origin: EP2677252A1] The present invention relates to a refrigerator. The refrigerator includes a compressor unit for compressing refrigerant, a condensing unit for passing the refrigerant compressed thus, and a first heat exchanger unit and a second heat exchanger unit each for making heat exchange as the refrigerant passes therethrough, wherein, if a defrosting mode is performed for one of the first heat exchanger unit and a second heat exchanger unit, the refrigerant compressed at the compressor unit is supplied to one of the first heat exchanger unit and the second heat exchanger unit, and then the refrigerant is supplied to the other one of the first heat exchanger unit and the second heat exchanger unit after the refrigerant is passed through an expansion valve, thereby permitting to reduce power consumption of the refrigerator while defrosting the evaporator.

IPC 8 full level
F25B 1/10 (2006.01); **F25B 5/02** (2006.01); **F25B 47/02** (2006.01)

CPC (source: EP KR US)
F25B 1/10 (2013.01 - EP US); **F25B 5/00** (2013.01 - US); **F25B 5/02** (2013.01 - EP US); **F25B 41/20** (2021.01 - EP KR US); **F25B 47/022** (2013.01 - EP US); **F25D 17/08** (2013.01 - KR); **F25D 21/10** (2013.01 - KR); **F25B 2400/0403** (2013.01 - EP US); **F25B 2400/0411** (2013.01 - EP US)

Citation (examination)
• US 4644758 A 19870224 - MAEHARA KAZUO [JP], et al
• US 4474026 A 19841002 - MOCHIZUKI TAKETOSHI [JP], et al
• US 2006168996 A1 20060803 - IMAI SATOSHI [JP], et al

Cited by
EP3225941A1; CN106104003A; CN106471322A; EP3172511A4; EP3943849A1; US10465946B2; US10267539B2; WO2016015768A1; WO2015122991A3; WO2018041538A1

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)
EP 2677252 A1 20131225; EP 2677252 B1 20220921; KR 101962129 B1 20190717; KR 20140000368 A 20140103; US 2013340469 A1 20131226

DOCDB simple family (application)
EP 13172372 A 20130618; KR 20120067111 A 20120622; US 201313924187 A 20130621