

Title (en)
REFRIGERATION APPARATUS

Title (de)
KÜHLVORRICHTUNG

Title (fr)
APPAREIL DE RÉFRIGÉRATION

Publication
EP 3869120 A1 20210825 (EN)

Application
EP 21156006 A 20210209

Priority
JP 2020028697 A 20200221

Abstract (en)
To provide a refrigeration apparatus capable of regulating a refrigerant amount while achieving downsizing and weight reduction. A refrigeration apparatus 1 includes: a refrigerator 10 including a compressor 30 and a heat exchanger configured to perform heat exchange of a refrigerant discharged from the compressor 30; a cooling apparatus including an evaporator 40 and an inlet expansion valve 42 disposed at an inlet of the evaporator 40; and a refrigerant regulating valve disposed at an outlet of the evaporator 40, the refrigerant regulating valve being configured to regulate a refrigerant flow rate.

IPC 8 full level
F25B 1/00 (2006.01); **F25B 9/00** (2006.01); **F25B 40/00** (2006.01); **F25B 41/22** (2021.01); **F25B 41/31** (2021.01); **F25B 41/39** (2021.01)

CPC (source: CN EP)
F25B 1/00 (2013.01 - EP); **F25B 1/005** (2013.01 - CN); **F25B 5/02** (2013.01 - CN); **F25B 9/008** (2013.01 - EP); **F25B 40/00** (2013.01 - EP); **F25B 41/22** (2021.01 - EP); **F25B 2400/054** (2013.01 - EP); **F25B 2400/22** (2013.01 - EP); **F25B 2500/01** (2013.01 - EP); **F25B 2500/17** (2013.01 - EP); **F25B 2500/21** (2013.01 - EP); **F25B 2500/28** (2013.01 - EP); **F25B 2600/25** (2013.01 - CN); **F25B 2600/2513** (2013.01 - CN EP); **F25B 2600/2515** (2013.01 - EP); **F25B 2700/1933** (2013.01 - EP); **F25B 2700/2104** (2013.01 - EP); **F25B 2700/21151** (2013.01 - EP); **F25B 2700/21174** (2013.01 - EP); **F25B 2700/21175** (2013.01 - EP)

Citation (applicant)
JP 2017122524 A 20170713 - PANASONIC IP MAN CORP

Citation (search report)
• [XYI] WO 2009058106 A2 20090507 - CARRIER CORP [US], et al
• [Y] EP 1043550 A1 20001011 - ZEXEL CORP [JP]
• [XI] WO 2011112411 A1 20110915 - CARRIER CORP [US], et al

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)
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