

Title (en)
HEAT EXCHANGER AND REFRIGERATION CYCLE DEVICE

Title (de)
WÄRMETAUSCHER UND KÜHLZYKLUSVORRICHTUNG

Title (fr)
ÉCHANGEUR DE CHALEUR ET DISPOSITIF À CYCLE DE RÉFRIGÉRATION

Publication
EP 3517855 A4 20191009 (EN)

Application
EP 16916807 A 20160923

Priority
JP 2016078057 W 20160923

Abstract (en)
[origin: EP3517855A1] An outdoor heat exchanger (3) is provided with a first outdoor heat exchanger (3a), a second outdoor heat exchanger (3b), and a switching valve (4). The number of a plurality of first refrigerant flow paths (RF1) in the first outdoor heat exchanger (3a) is greater than the number of at least one second refrigerant flow paths (RF2) in the second outdoor heat exchanger (3b). The switching valve (4) is configured to close a first valve flow path (VF1) and a third valve flow path (VF3) but open the second valve flow path (VF2) or to open the first valve flow path (VF1) and the third valve flow path (VF3) but close the second valve flow path (VF2).

IPC 8 full level
F25B 13/00 (2006.01); **F24F 1/14** (2011.01); **F25B 5/02** (2006.01); **F25B 6/02** (2006.01); **F25B 6/04** (2006.01)

CPC (source: EP US)
F24F 1/14 (2013.01 - EP); **F25B 5/02** (2013.01 - EP US); **F25B 6/04** (2013.01 - EP); **F25B 13/00** (2013.01 - EP);
F25B 2313/02533 (2013.01 - EP); **F25B 2313/02541** (2013.01 - EP)

Citation (search report)

- [A] JP 2012077921 A 20120419 - DAIKIN IND LTD
- [A] JP 2015075211 A 20150420 - DAIKIN IND LTD
- [A] US 2015047384 A1 20150219 - MATTER III JEROME ANTHONY [US], et al
- [A] JP 2002243296 A 20020828 - FUJITSU GENERAL LTD
- See references of WO 2018055740A1

Cited by
EP4328521A4; WO2022071723A1

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

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DOCDB simple family (application)
EP 16916807 A 20160923; JP 2016078057 W 20160923; JP 2018540571 A 20160923