

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

DOCDB simple family (publication)  
**EP 3517855 A1 20190731; EP 3517855 A4 20191009; EP 3517855 B1 20200916**; JP 6671491 B2 20200325; JP WO2018055740 A1 20190624;  
WO 2018055740 A1 20180329; WO 2018055740 A9 20190221

DOCDB simple family (application)  
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