

Title (en)  
REFRIGERATION CYCLE DEVICE

Title (de)  
KÄLTEKREISLAUFVORRICHTUNG

Title (fr)  
DISPOSITIF À CYCLE FRIGORIFIQUE

Publication  
**EP 3524917 B1 20210714 (EN)**

Application  
**EP 16918274 A 20161004**

Priority  
JP 2016079514 W 20161004

Abstract (en)  
[origin: EP3524917A1] A refrigeration cycle apparatus according to the present invention includes: an evaporator including heat transfer tubes through which refrigerant flows, and heat transfer fins connected to the heat transfer tubes, the evaporator being provided to cool air with the refrigerant; a fan which supplies air to the evaporator; and a vortex generator formed independent of the evaporator and provided upstream of the evaporator in a flow direction of the air.

IPC 8 full level  
**F25B 1/00** (2006.01); **F25B 39/02** (2006.01); **F28F 13/12** (2006.01)

CPC (source: EP)  
**F25B 39/02** (2013.01); **F28D 1/053** (2013.01); **F28F 1/325** (2013.01); **F28F 13/12** (2013.01); **F25B 13/00** (2013.01); **F28D 2021/0068** (2013.01); **F28F 2215/04** (2013.01); **F28F 2215/10** (2013.01)

Cited by  
CN111121158A; EP4083557A4

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 3524917 A1 20190814; EP 3524917 A4 20190918; EP 3524917 B1 20210714**; JP WO2018066075 A1 20190624;  
WO 2018066075 A1 20180412

DOCDB simple family (application)  
**EP 16918274 A 20161004**; JP 2016079514 W 20161004; JP 2018543518 A 20161004