

Title (en)
INDOOR UNIT AND AIR CONDITIONER

Title (de)
INNENRAUMEINHEIT UND KLIMAAANLAGE

Title (fr)
UNITÉ INTÉRIEURE ET CLIMATISEUR

Publication
EP 3521716 A1 20190807 (EN)

Application
EP 16917738 A 20160930

Priority
JP 2016079048 W 20160930

Abstract (en)
An indoor unit includes a housing having an air inlet and an air outlet, a refrigerant circuit installed in the housing and provided such that a first heat exchanger, a second heat exchanger, and a refrigerant exchange capacity varying device configured to vary refrigerant temperatures in the first heat exchanger and the second heat exchanger are connected to each other by pipes, and a fan installed in the housing and configured to send air to the first heat exchanger and the second heat exchanger. The air outlet includes a first air outlet through which air passing through the fan and the first heat exchanger is blown, and a second air outlet through which air passing through the fan and the second heat exchanger is blown. The refrigerant exchange capacity varying device includes at least a switching device configured to change a flow of refrigerant in the refrigerant circuit, and a dual-temperature air-blow operation in which streams of air having different temperatures are blown through the first air outlet and the second air outlet is performed by causing the refrigerant exchange capacity varying device to vary the refrigerant temperatures or refrigerant flow rates in the first heat exchanger and the second heat exchanger or to vary both the refrigerant temperatures and the refrigerant flow rates in the first heat exchanger and the second heat exchanger.

IPC 8 full level
F24F 11/30 (2018.01)

CPC (source: EP)
F24F 11/65 (2018.01); **F24F 11/79** (2018.01); **F24F 11/84** (2018.01); **F25B 13/00** (2013.01); **F25B 2313/0231** (2013.01); **F25B 2313/0232** (2013.01); **F25B 2313/0233** (2013.01); **F25B 2313/0234** (2013.01); **F25B 2313/02732** (2013.01); **F25B 2600/2513** (2013.01)

Cited by
US11965682B2; US11333411B2; US11454428B2; US11976838B2

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 3521716 A1 20190807; **EP 3521716 A4 20191016**; CN 109790992 A 20190521; CN 109790992 B 20230630; JP 6751150 B2 20200902; JP WO2018061188 A1 20190711; WO 2018061188 A1 20180405

DOCDB simple family (application)
EP 16917738 A 20160930; CN 201680089124 A 20160930; JP 2016079048 W 20160930; JP 2018541839 A 20160930