

Title (en)
INDOOR UNIT AND AIR CONDITIONER INCLUDING THE SAME

Title (de)
INNENRAUMEINHEIT UND KLIMAANLAGE DAMIT

Title (fr)
UNITÉ INTÉRIEURE ET CLIMATISEUR LA COMPRENANT

Publication
EP 3473940 A1 20190424 (EN)

Application
EP 18197336 A 20180927

Priority
JP 2017188781 A 20170928

Abstract (en)
Provided is an indoor unit (200) provided with a fan (8), a casing (7) which accommodates the fan (8), and a heat exchanger (60) provided in the casing (7) and disposed to surround the fan (8). The heat exchanger (60) has a plurality of fins (17) which are arranged in the circumferential direction with surfaces facing each other, and a plurality of refrigerant pipes which pass through the plurality of fins (17) and extend along the circumferential direction. The plurality of refrigerant pipes has a first pipe line (34A) through which a refrigerant flows in a first circumferential direction (33A) which is one direction of the circumferential direction, and a second pipe line (34B) through which a refrigerant flows in a second circumferential direction (33B) opposite to the first circumferential direction (33A). A first refrigerant inlet (36A) configured to introduce the refrigerant from the outside of the heat exchanger (60) toward the first circumferential direction (33A) is provided at a starting point of the first pipe line (34A), and a second refrigerant inlet (36B) configured to introduce the refrigerant from the outside of the heat exchanger (60) toward the second circumferential direction (33B) is provided at a starting point of the second pipe line (34B).

IPC 8 full level
F24F 1/0059 (2019.01); **F28D 1/04** (2006.01); **F28D 1/047** (2006.01); **F28F 1/32** (2006.01)

CPC (source: EP)
F24F 1/0059 (2013.01); **F28D 1/0426** (2013.01); **F28D 1/0477** (2013.01); **F28F 1/32** (2013.01); **F24F 2221/54** (2013.01); **F28F 2215/02** (2013.01)

Citation (applicant)
JP 2008256305 A 20081023 - DAIKIN IND LTD

Citation (search report)
• [X] WO 2008041656 A1 20080410 - DAIKIN IND LTD [JP], et al
• [Y] JP 3239741 B2 20011217
• [Y] JP 2017511871 A 20170427

Cited by
GB2614056A

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 3473940 A1 20190424; AU 2018236803 A1 20190411; JP 2019066058 A 20190425

DOCDB simple family (application)
EP 18197336 A 20180927; AU 2018236803 A 20180927; JP 2017188781 A 20170928