

Title (en)

INDOOR UNIT OF WALL-MOUNTED AIR CONDITIONER AND WALL-MOUNTED AIR CONDITIONER

Title (de)

INNENRAUMEINHEIT EINER WANDMONTIERTEN KLIMAANLAGE UND WANDMONTIERTER KLIMAANLAGE

Title (fr)

UNITÉ INTÉRIEURE DE CLIMATISEUR À MONTAGE MURAL ET CLIMATISEUR À MONTAGE MURAL ASSOCIÉ

Publication

EP 3376124 B1 20200122 (EN)

Application

EP 17859368 A 20170428

Priority

- CN 201710041035 A 20170118
- CN 2017082478 W 20170428

Abstract (en)

[origin: EP3376124A1] Disclosed includes a wall-mounted air conditioner indoor unit and a wall-mounted air conditioner. The wall-mounted air conditioner indoor unit includes a chassis, a heat exchanger, and an air outlet frame. The chassis has an upper and a lower end in a width thereof and is provided with two baffle plates extending vertically and facing each other. Each of the two baffle plates has an inner surface in which is defined a first sliding groove having a groove bottom that faces the other baffle plate and is partially recessed to define a second sliding groove. The heat exchanger is mounted on the chassis. The chassis, the two baffle plates, and the heat exchanger collectively enclose an air duct cavity with a downward opening. The air outlet frame is provided for mounting a cross flow fan. A first sliding block and a second sliding block are arranged on each of opposite ends of the air outlet frame that lie in a length of the chassis. The air outlet frame is detachably mounted onto each of the two baffle plates and within the air duct cavity by the fitting of the first sliding groove and the first sliding block as well as the fitting of the second sliding groove and the second sliding block. The disclosed technical solution reduces the difficulty in removal of the cross flow fan.

IPC 8 full level

F24F 1/0025 (2019.01); **F24F 13/20** (2006.01); **F24F 13/30** (2006.01)

CPC (source: CN EP)

F24F 1/0025 (2013.01 - CN EP); **F24F 13/20** (2013.01 - CN EP); **F24F 13/30** (2013.01 - EP); **F24F 2013/205** (2013.01 - CN EP); **F24F 2221/32** (2013.01 - EP)

Cited by

JP2021533319A; US11480345B2

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 3376124 A1 20180919; **EP 3376124 A4 20190116**; **EP 3376124 B1 20200122**; CN 106705239 A 20170524; CN 106705239 B 20200211; MY 187626 A 20211005; SG 11201804605Q A 20180830; WO 2018133248 A1 20180726

DOCDB simple family (application)

EP 17859368 A 20170428; CN 2017082478 W 20170428; CN 201710041035 A 20170118; MY PI2019003306 A 20170428; SG 11201804605Q A 20170428