

Title (en)
DUCT TYPE AIR CONDITIONER

Title (de)
KANALKLIMAANLAGE

Title (fr)
CLIMATISEUR DE TYPE CONDUIT

Publication
EP 3748239 A4 20220126 (EN)

Application
EP 19898107 A 20190212

Priority
• CN 201811558380 A 20181219
• CN 2019074856 W 20190212

Abstract (en)
[origin: US2020340687A1] An air duct machine including a cabinet, an electric control box, a heat exchanger and a centrifugal fan; the electric control box, the heat exchanger and the centrifugal fan are all disposed inside the cabinet, one of side panels of the cabinet is provided with a return air vent and an air outlet, the electric control box is disposed close to the return air vent, the centrifugal fan is disposed close to the air outlet, and the heat exchanger is disposed between the electric control box and the centrifugal fan. This improves the selectivity and flexibility of installation of the air duct machine, and facilitates maintenance. The air duct machine can have an ultra-thin design when installed in the ceiling or wall, so that the installation space is reduced. Moreover, the airflow direction will not change due to the change of the installation method.

IPC 8 full level
F24F 1/0014 (2019.01); **F24F 1/0022** (2019.01); **F24F 1/0033** (2019.01); **F24F 1/0043** (2019.01); **F24F 1/0047** (2019.01); **F24F 1/0057** (2019.01); **F24F 1/0063** (2019.01); **F24F 11/89** (2018.01); **F24F 13/22** (2006.01)

CPC (source: CN EP US)
F24F 1/0014 (2013.01 - CN); **F24F 1/0022** (2013.01 - CN EP US); **F24F 1/0033** (2013.01 - CN EP); **F24F 1/0059** (2013.01 - CN EP US); **F24F 11/89** (2017.12 - CN); **F24F 13/20** (2013.01 - EP); **F24F 13/222** (2013.01 - CN); **F24F 1/0014** (2013.01 - US); **F24F 1/0057** (2019.01 - EP US); **F24F 11/89** (2017.12 - US); **F24F 13/222** (2013.01 - US)

Citation (search report)
• [IY] US 2017299201 A1 20171019 - OBARA HIDESHI [JP], et al
• [IY] CN 105588205 A 20160518 - QINGDAO HISENSE HITACHI AIR CONDITIONING SYSTEM CO LTD
• [YA] CN 106871241 A 20170620 - GREE ELECTRIC APPLIANCES INC ZHUHAI
• See references of WO 2020124758A1

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)
US 2020340687 A1 20201029; CN 109631163 A 20190416; EP 3748239 A1 20201209; EP 3748239 A4 20220126;
WO 2020124758 A1 20200625

DOCDB simple family (application)
US 201916960401 A 20190212; CN 201811558380 A 20181219; CN 2019074856 W 20190212; EP 19898107 A 20190212