

Title (en)
BIDIRECTIONAL-BLOW-OUT, CEILING-EMBEDDED AIR CONDITIONER

Title (de)
DECKENINTEGRIERTE KLIMAANLAGE MIT BIDIREKTIONALEM LUFTAustrITT

Title (fr)
PURGE BIDIRECTIONNELLE, CLIMATISEUR INTÉGRÉ AU PLAFOND

Publication
EP 2827071 A4 20151209 (EN)

Application
EP 13760702 A 20130228

Priority
• JP 2012061004 A 20120316
• JP 2013055283 W 20130228

Abstract (en)
[origin: EP2827071A1] A ceiling-mounted air conditioner, which has a rectangular shape in a planar view, is provided with: a decorative panel having an indoor outlet along each of the opposite long sides and a product main body that incorporates a mechanical fan and two heat exchangers. The heat exchangers are arranged to sandwich the mechanical fan between the two indoor outlets in a planar view. The intermediate portions in the longitudinal direction of the branched heat exchangers are arranged parallel to the indoor outlets, and both ends of the branched heat exchangers are bent at differing angles with respect to the intermediate portions towards the mechanical fan.

IPC 8 full level
F24F 1/0059 (2019.01); **F24F 1/0047** (2019.01); **F24F 1/0063** (2019.01); **F24F 1/0067** (2019.01); **F24F 13/072** (2006.01)

CPC (source: EP US)
F24F 1/0022 (2013.01 - EP); **F24F 1/0047** (2019.01 - EP US); **F24F 1/0059** (2013.01 - US); **F24F 1/0063** (2019.01 - EP US); **F24F 1/0067** (2019.01 - EP US); **F24F 1/0068** (2019.01 - EP); **F24F 13/072** (2013.01 - EP)

Citation (search report)
• [X] WO 2010146852 A1 20101223 - DAIKIN IND LTD [JP], et al & EP 2444751 A1 20120425 - DAIKIN IND LTD [JP]
• [A] EP 1382917 A1 20040121 - DAIKIN IND LTD [JP]
• [A] JP H11148711 A 19990602 - MITSUBISHI HEAVY IND LTD
• [A] JP 2005114321 A 20050428 - SANYO ELECTRIC CO
• [AD] JP 2003287239 A 20031010 - MITSUBISHI ELECTRIC CORP
• See references of WO 2013136992A1

Cited by
WO2016170456A1

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 2827071 A1 20150121; **EP 2827071 A4 20151209**; **EP 2827071 B1 20180606**; CN 104169652 A 20141126; CN 104169652 B 20170503; ES 2676711 T3 20180724; JP 2013194961 A 20130930; JP 5494705 B2 20140521; TR 201809517 T4 20180723; WO 2013136992 A1 20130919

DOCDB simple family (application)
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