

Title (en)
CEILING-MOUNTED INDOOR UNIT FOR AIR CONDITIONER

Title (de)
DECKENMONTIERTE INNENRAUMEINHEIT FÜR EINE KLIMAANLAGE

Title (fr)
UNITÉ INTÉRIEURE FIXÉE AU PLAFOND POUR CLIMATISEUR

Publication
EP 3686507 A1 20200729 (EN)

Application
EP 18858280 A 20180920

Priority
• KR 20170121408 A 20170920
• KR 2018011173 W 20180920

Abstract (en)
Opposite two of four vane modules constitute a first discharge pair, the other two constitute a second discharge pair, and the first discharge pair and the second discharge pair alternately provide indirect wind and direct wind, whereby it is possible to rapidly cool a room. In addition, the first discharge pair and the second discharge pair discharge air at different angles, whereby it is possible to minimize a dead zone that discharged air does not reach.

IPC 8 full level
F24F 13/14 (2006.01); **F24F 1/00** (2019.01)

CPC (source: EP KR)
F24F 1/0011 (2013.01 - EP KR); **F24F 1/0047** (2019.02 - EP); **F24F 11/61** (2018.01 - EP); **F24F 11/65** (2018.01 - EP);
F24F 11/79 (2018.01 - EP); **F24F 13/14** (2013.01 - EP); **F24F 13/1413** (2013.01 - EP); **F24F 13/1426** (2013.01 - KR); **F24F 13/06** (2013.01 - EP);
F24F 2013/1433 (2013.01 - EP KR); **F24F 2221/54** (2013.01 - EP)

Cited by
CN113819529A

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 3686507 A1 20200729; EP 3686507 A4 20210818; EP 3686507 B1 20240110; AU 2018334927 A1 20200507; AU 2018334927 B2 20220421;
AU 2018337541 A1 20200507; AU 2018337541 B2 20220414; AU 2018337544 A1 20200507; AU 2018337544 B2 20220421;
AU 2018337546 A1 20200507; AU 2018337546 B2 20220428; CN 111373200 A 20200703; CN 111373200 B 20220225;
CN 111373208 A 20200703; CN 111373208 B 20220401; CN 111373209 A 20200703; CN 111373209 B 20220222; CN 111433525 A 20200717;
CN 111433525 B 20220222; EP 3686506 A1 20200729; EP 3686506 A4 20210728; EP 3686508 A1 20200729; EP 3686508 A4 20211124;
EP 3686508 B1 20231122; EP 3686509 A1 20200729; EP 3686509 A4 20211208; EP 3686509 B1 20231122; EP 4321816 A2 20240214;
EP 4321818 A2 20240214; EP 4339526 A2 20240320; KR 102088828 B1 20200423; KR 102090646 B1 20200423; KR 102090647 B1 20200522;
KR 102090648 B1 20200522; KR 20190033030 A 20190328; KR 20190033031 A 20190328; KR 20190033032 A 20190328;
KR 20190033033 A 20190328; WO 2019059682 A1 20190328; WO 2019059685 A1 20190328; WO 2019059686 A1 20190328;
WO 2019059688 A1 20190328

DOCDB simple family (application)
EP 18858280 A 20180920; AU 2018334927 A 20180920; AU 2018337541 A 20180920; AU 2018337544 A 20180920;
AU 2018337546 A 20180920; CN 201880075073 A 20180920; CN 201880075081 A 20180920; CN 201880075082 A 20180920;
CN 201880075124 A 20180920; EP 18857518 A 20180920; EP 18859846 A 20180920; EP 18859847 A 20180920; EP 23210480 A 20180920;
EP 23210488 A 20180920; EP 24150164 A 20180920; KR 2018011164 W 20180920; KR 2018011173 W 20180920;
KR 2018011181 W 20180920; KR 2018011183 W 20180920; KR 20180112674 A 20180920; KR 20180112675 A 20180920;
KR 20180112676 A 20180920; KR 20180112677 A 20180920