

Title (en)
AIR CONDITIONER AND CONTROL METHOD THEREOF

Title (de)
KLIMAANLAGE UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)
CLIMATISEUR ET SON PROCÉDÉ DE FONCTIONNEMENT

Publication
EP 4123228 A1 20230125 (EN)

Application
EP 22186431 A 20220722

Priority
KR 20210096540 A 20210722

Abstract (en)
The present disclosure relates to an air conditioner including: a; a panel which is disposed in the lower side of the case, and has an inlet and a plurality of outlets disposed around the inlet; a fan which is disposed in the case; a plurality of wind adjuster which is disposed in each of the outlet, and adjusts a wind direction of air flowing through each of the outlet in the up-and-down side direction; a camera which obtains an image of an indoor space; and a controller which controls the wind adjuster based on image information obtained from the camera, wherein the controller divides the plurality of outlets into a first area outlet and a second area outlet, and adjusts each of the plurality of wind adjusters so that air discharged from the first area outlet and air discharged from the second area outlet are formed differently in the up-and-down side direction.

IPC 8 full level
F24F 1/0014 (2006.01); **F24F 11/52** (2006.01); **F24F 11/63** (2006.01); **F24F 11/79** (2006.01); **F24F 13/08** (2006.01); **F24F 13/10** (2006.01)

CPC (source: EP KR US)
F24F 1/0014 (2013.01 - EP KR); **F24F 7/007** (2013.01 - US); **F24F 11/0001** (2013.01 - US); **F24F 11/52** (2018.01 - EP KR); **F24F 11/61** (2018.01 - KR); **F24F 11/63** (2018.01 - EP US); **F24F 11/64** (2018.01 - KR); **F24F 11/79** (2018.01 - EP KR); **F24F 13/08** (2013.01 - EP KR); **F24F 13/10** (2013.01 - EP); **F24F 13/14** (2013.01 - KR); **F24F 1/0047** (2019.02 - EP); **F24F 11/46** (2018.01 - EP); **F24F 11/61** (2018.01 - EP); **F24F 2110/10** (2018.01 - EP KR); **F24F 2120/10** (2018.01 - KR); **F24F 2120/12** (2018.01 - EP)

Citation (applicant)
KR 102034663 B1 20191021

Citation (search report)
• [XAI] GB 2513694 A 20141105 - MITSUBISHI ELECTRIC CORP [JP]
• [A] US 2018209681 A1 20180726 - SONG TAEYUP [KR], et al
• [A] US 5875639 A 19990302 - KIM NAM-SICK [KR], et al
• [A] EP 3450868 A1 20190306 - MITSUBISHI ELECTRIC CORP [JP]

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4123228 A1 20230125; **EP 4123228 B1 20240626**; CN 115682129 A 20230203; JP 2023016767 A 20230202; KR 20230015147 A 20230131; US 2023025653 A1 20230126

DOCDB simple family (application)
EP 22186431 A 20220722; CN 202210867065 A 20220722; JP 2022116338 A 20220721; KR 20210096540 A 20210722; US 202217869866 A 20220721