

Title (en)

AIR PURIFIER

Title (de)

LUFTREINIGER

Title (fr)

PURIFICATEUR D'AIR

Publication

**EP 4306864 A1 20240117 (EN)**

Application

**EP 23185189 A 20230713**

Priority

KR 20220087019 A 20220714

Abstract (en)

The present disclosure relates to an air purifier. An air purifier according to an aspect of the present disclosure may include: a first body having an inlet and an outlet that is open upward; a fan disposed inside the first body and below the outlet; and a second body coupled to the first body and disposed above the outlet, wherein the second body includes: a lower body connected to the first body, and a lower wall extending toward an outside of the first body in a direction crossing an up-and-down direction above the outlet, so that air discharged from the outlet may be guided by the lower wall.

IPC 8 full level

**F24F 8/80** (2021.01); **F24F 13/20** (2006.01)

CPC (source: CN EP KR US)

**A47B 37/00** (2013.01 - KR); **F24F 1/029** (2019.02 - US); **F24F 1/0328** (2019.02 - US); **F24F 8/108** (2021.01 - CN); **F24F 8/80** (2021.01 - EP KR); **F24F 11/89** (2018.01 - KR); **F24F 13/08** (2013.01 - CN); **F24F 13/20** (2013.01 - EP KR US); **F24F 13/32** (2013.01 - CN); **F24F 2013/205** (2013.01 - KR)

Citation (applicant)

- KR 102139575 B1 20200731
- KR 20210105856 A 20210827 - MAEBONG CO LTD [KR]

Citation (search report)

- [X] US 2015108364 A1 20150423 - HANAI TAKAHIRO [JP], et al
- [X] CN 114484709 A 20220513 - DONGGUAN CHENNOI ENVIRONMENTAL SCIENCE AND TECH CO LTD
- [X] WO 2017074128 A1 20170504 - LG ELECTRONICS INC [KR]
- [X] US 2022184542 A1 20220616 - KIM GYEONGHO [KR], et al
- [X] JP 2022025054 A 20220209 - LG ELECTRONICS INC

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4306864 A1 20240117**; CN 117404746 A 20240116; KR 20240009741 A 20240123; US 2024019132 A1 20240118

DOCDB simple family (application)

**EP 23185189 A 20230713**; CN 202310862621 A 20230713; KR 20220087019 A 20220714; US 202318221031 A 20230712