

Title (en)
HUMIDIFIER

Title (de)
BEFEUCHTER

Title (fr)
HUMIDIFICATEUR

Publication
EP 4390250 A1 20240626 (EN)

Application
EP 23217846 A 20231219

Priority
KR 20220177803 A 20221219

Abstract (en)
The present disclosure relates to a humidifier. A humidifier according to one aspect of the present disclosure includes: an outer case with an intake opening; a discharge opening that opens to the outside of the outer case; an inner case spaced inward from the outer case; a fan disposed inside the outer case; a humidification assembly disposed inside the inner case and positioned downstream from the fan, that includes a humidification device internally having a space; a air flow path formed between the outer case and the inner case, that extends toward the discharge opening; and an inlet that branches off from the air flow path and allows a space between the outer case and the inner case and the internal space of the humidification device to communicate with each other. Thus, part of blown air can be admitted into the humidification device and then sprayed.

IPC 8 full level
F24F 6/02 (2006.01); **F24F 6/00** (2006.01); **F24F 13/08** (2006.01)

CPC (source: CN EP KR US)
F24F 6/02 (2013.01 - EP); **F24F 6/025** (2013.01 - KR); **F24F 6/10** (2013.01 - US); **F24F 6/12** (2013.01 - KR); **F24F 6/14** (2013.01 - CN); **F24F 11/79** (2018.01 - US); **F24F 13/082** (2013.01 - KR); **F24F 13/20** (2013.01 - KR US); **F24F 13/082** (2013.01 - EP); **F24F 2006/008** (2013.01 - EP KR); **F24F 2013/205** (2013.01 - KR US)

Citation (applicant)
• KR 20220105488 A 20220727 - HYUNDAI MOBIS CO LTD [KR]
• KR 20180094813 A 20180824 - MIRO CO LTD [KR]

Citation (search report)
• [X] CN 211600985 U 20200929 - CHENGDU ZHONGBANG INTELLIGENT TECH CO LTD
• [X] US 5645769 A 19970708 - TAMARU MAKOTO [JP], et al
• [X] US 6244576 B1 20010612 - TSAI KUO LUNG [TW]
• [A] WO 2021164366 A1 20210826 - CHENGDU AIMBON INTELLIGENT TECH CO LTD [CN]
• [A] JP 2012042161 A 20120301 - CORONA CORP
• [A] EP 2860464 B1 20181121 - BALMUDA CO LTD [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 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 4390250 A1 20240626; CN 118224683 A 20240621; KR 20240095794 A 20240626; KR 20240128652 A 20240826;
US 2024200804 A1 20240620

DOCDB simple family (application)
EP 23217846 A 20231219; CN 202311719959 A 20231212; KR 20220177803 A 20221219; KR 20240110468 A 20240819;
US 202318538542 A 20231213