

Title (en)
HUMIDIFIER

Title (de)
BEFEUCHTER

Title (fr)
HUMIDIFICATEUR

Publication
EP 4390253 A1 20240626 (EN)

Application
EP 23217822 A 20231219

Priority
KR 20220177802 A 20221219

Abstract (en)
The present disclosure relates to a humidifier. A humidifier according to one aspect of the present disclosure includes: a case with an intake opening; a fan disposed inside the case; and a humidification assembly that sprays supplied water, wherein the humidification assembly includes: a heating device including a heating chamber internally a heating space and a heater attached to the heating chamber; a humidification device including a humidification chamber internally having a humidification space and a vibrating device attached to the humidification chamber; an inlet disposed downstream of the fan and connected to the humidification space; and a connector through which air in the heating space flows, and that connects the heating space and the humidification space. Thus, warm humidified air can be supplied by combining humidified air and heated air.

IPC 8 full level
F24F 6/08 (2006.01); **F24F 6/00** (2006.01); **F24F 6/12** (2006.01); **F24F 6/14** (2006.01)

CPC (source: EP KR US)
F24F 6/08 (2013.01 - EP); **F24F 6/10** (2013.01 - KR); **F24F 6/12** (2013.01 - EP US); **F24F 6/14** (2013.01 - KR); **F24F 11/0008** (2013.01 - KR); **F24F 13/082** (2013.01 - KR); **F24F 13/20** (2013.01 - KR); **F24H 3/0405** (2013.01 - US); **F24F 2006/008** (2013.01 - EP KR); **F24F 2013/205** (2013.01 - KR)

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

Citation (search report)
• [X] KR 20130092093 A 20130820 - I EUN HUI [KR]
• [X] KR 101276044 B1 20130620 - LEE IN YOUNG [KR]
• [X] US 6244576 B1 20010612 - TSAI KUO LUNG [TW]
• [A] KR 20030069625 A 20030827 - GIGA COMM AND ENERAGY INC [KR]
• [A] JP 2019168211 A 20191003 - FOSHAN JINXINGHUI ELECTRICAL APPLIANCE CO LTD

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 4390253 A1 20240626; CN 118224679 A 20240621; KR 20240095793 A 20240626; US 2024200807 A1 20240620

DOCDB simple family (application)
EP 23217822 A 20231219; CN 202311711359 A 20231212; KR 20220177802 A 20221219; US 202318538399 A 20231213