

Title (en)

ATOMIZER AND ELECTRONIC ATOMIZATION DEVICE THEREOF

Title (de)

ZERSTÄUBER UND ELEKTRONISCHE ZERSTÄUBUNGSVORRICHTUNG DAFÜR

Title (fr)

ATOMISEUR ET DISPOSITIF D'ATOMISATION ÉLECTRONIQUE ASSOCIÉ

Publication

EP 4245178 A4 20240124 (EN)

Application

EP 20961205 A 20201113

Priority

CN 2020128818 W 20201113

Abstract (en)

[origin: EP4245178A1] An atomizer (10) and an electronic atomization device (100), the atomizer (10) comprising: a liquid storage bin (4), which is used for storing a liquid; an atomization core (2), which is used for atomizing the liquid in the liquid storage bin (4); and a mounting base (1), the mounting base (1) being internally provided with an air flow channel (13) that penetrates an air intake end and an air outlet end, part of the air flow channel (13) close to the air intake end is an atomization cavity (125), and part of the air flow channel (13) close to the air outlet end is an air outlet channel (131); the atomized liquid enters the air outlet channel (13) from the atomization cavity (125); the mounting base (1) is provided with a condensate collecting structure (14), and the atomized air in the atomization cavity (125) enters the air outlet channel (13) by means of the condensate collecting structure (14); and the condensate collecting structure (14) is used for collecting condensed liquid left in the air outlet channel (13). The condensate collecting structure (14) may collect condensate left in the air outlet channel (13), and prevent the condensate from leaking out of the atomizer (10), thereby improving user experience.

IPC 8 full level

A24F 40/48 (2020.01); **A24F 40/10** (2020.01); **A24F 40/40** (2020.01)

CPC (source: EP US)

A24F 40/10 (2020.01 - US); **A24F 40/42** (2020.01 - US); **A24F 40/485** (2020.01 - EP US); **A24F 40/10** (2020.01 - EP); **A24F 40/40** (2020.01 - EP)

Citation (search report)

- [XA] CN 110638101 A 20200103 - SHENZHEN SMOORE TECHNOLOGY LTD & EP 4039112 A1 20220810 - SHENZHEN SMOORE TECHNOLOGY LTD [CN]
- [X] CN 110250576 A 20190920 - SHENZHEN SMOORE CO LTD
- See references of WO 2022099649A1

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 4245178 A1 20230920; **EP 4245178 A4 20240124**; US 2023270161 A1 20230831; WO 2022099649 A1 20220519

DOCDB simple family (application)

EP 20961205 A 20201113; CN 2020128818 W 20201113; US 202318313543 A 20230508