

Title (en)

ELECTRONIC ATOMIZATION DEVICE AND ATOMIZER THEREOF

Title (de)

ELEKTRONISCHE ZERSTÄUBUNGSVORRICHTUNG UND ZERSTÄUBER DAFÜR

Title (fr)

DISPOSITIF D'ATOMISATION ÉLECTRONIQUE ET ATOMISEUR ASSOCIÉ

Publication

EP 4039113 A4 20221102 (EN)

Application

EP 19948182 A 20190930

Priority

CN 2019109705 W 20190930

Abstract (en)

[origin: EP4039113A1] Disclosed are an electronic atomization device and an atomizer thereof. The atomizer comprises an atomization cavity (311) and an air outlet channel (121) communicated with the atomization cavity (311). Abottom of the atomization cavity (311) is arranged with a liquid storage structure (23); the liquid storage structure (23) is communicated with the atomization cavity (311) and comprises at least one second liquid absorbing groove (231) facing the atomization cavity (311); the at least one second liquid absorbing groove (231) is configured to absorb a liquid medium leaking from the atomization cavity (311) and/or the air outlet channel (121) by capillary forces.

IPC 8 full level

A24F 40/40 (2020.01); **A24F 40/485** (2020.01); **A24F 40/10** (2020.01)

CPC (source: EP KR US)

A24F 40/10 (2020.01 - KR US); **A24F 40/40** (2020.01 - EP KR); **A24F 40/42** (2020.01 - KR US); **A24F 40/485** (2020.01 - EP KR US); **A24F 40/10** (2020.01 - EP); **A24F 47/00** (2013.01 - KR)

Citation (search report)

[X] US 2017273360 A1 20170928 - BRINKLEY PAUL ANDREW [US], et al

Cited by

WO2024067739A1

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 4039113 A1 20220810; **EP 4039113 A4 20221102**; CN 213153991 U 20210511; JP 2022539421 A 20220908; JP 7408768 B2 20240105; KR 20220010020 A 20220125; US 2022218038 A1 20220714; WO 2021062781 A1 20210408

DOCDB simple family (application)

EP 19948182 A 20190930; CN 2019109705 W 20190930; CN 201990000501 U 20190930; JP 2022500642 A 20190930; KR 20217041530 A 20190930; US 202217706635 A 20220329