

Title (en)  
ELECTRONIC VAPORIZATION DEVICE AND VAPORIZER THEREOF

Title (de)  
ELEKTRONISCHE VERDAMPFUNGSVORRICHTUNG UND VERDAMPFER DAFÜR

Title (fr)  
DISPOSITIF DE VAPORISATION ÉLECTRONIQUE ET VAPORISATEUR ASSOCIÉ

Publication  
**EP 4233589 A1 20230830 (EN)**

Application  
**EP 23151021 A 20230110**

Priority  
CN 202210049555 A 20220117

Abstract (en)  
The present disclosure relates to an electronic vaporization device and a vaporizer thereof. The vaporizer includes a liquid storage housing (10) having a liquid storage cavity (110) formed therein and a heating base (52) arranged in the liquid storage housing. The outer surface of the heating base is provided with a vent channel (522), a liquid absorbing groove opening (523), a liquid storage groove (524) and a vent entrance (525). One end of the vent channel is communicated with the liquid storage cavity, and the other end of the vent channel is respectively communicated with the liquid absorbing groove opening and the vent entrance. The liquid storage groove is communicated with the liquid absorbing groove opening to absorb liquid substrate to the liquid storage groove by a capillary force. The vent channel is provided with the vent entrance and the liquid absorbing groove opening, the vent entrance is configured to introduce an external air, and the liquid absorbing groove opening is configured to absorb the liquid substrate into the liquid storage groove through the capillary force, thereby isolating ventilation from liquid storage and preventing the liquid substrate from blocking the vent channel.

IPC 8 full level  
**A24F 40/42** (2020.01); **A24F 40/485** (2020.01); **A24F 40/10** (2020.01)

CPC (source: CN EP)  
**A24F 40/10** (2020.01 - CN); **A24F 40/40** (2020.01 - CN); **A24F 40/42** (2020.01 - CN EP); **A24F 40/46** (2020.01 - CN); **A24F 40/48** (2020.01 - CN); **A24F 40/485** (2020.01 - EP); **A24F 40/10** (2020.01 - EP)

Citation (search report)

- [X] US 2022007731 A1 20220113 - LEI GUILIN [CN]
- [X] WO 2021227413 A1 20211118 - SHENZHEN SMOORE TECHNOLOGY LTD [CN]
- [X] WO 2021237718 A1 20211202 - SHENZHEN SMOORE TECHNOLOGY LTD [CN]

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 4233589 A1 20230830**; CN 114468357 A 20220513; JP 2023104878 A 20230728

DOCDB simple family (application)  
**EP 23151021 A 20230110**; CN 202210049555 A 20220117; JP 2022184811 A 20221118