

Title (en)

ELECTRONIC CIGARETTE ATOMIZATION DEVICE AND ELECTRONIC CIGARETTE

Title (de)

ZERSTÄUBUNGSVORRICHTUNG FÜR ELEKTRONISCHE ZIGARETTE UND ELEKTRONISCHE ZIGARETTE

Title (fr)

DISPOSITIF D'ATOMISATION DE CIGARETTE ÉLECTRONIQUE ET CIGARETTE ÉLECTRONIQUE

Publication

EP 4298934 A4 20240821 (EN)

Application

EP 21942661 A 20211009

Priority

- CN 202121151375 U 20210526
- CN 2021122902 W 20211009

Abstract (en)

[origin: CN215075542U] The utility model discloses an electronic cigarette atomization device and an electronic cigarette, the electronic cigarette atomization device comprises a shell, an oil storage bin and an atomization assembly are arranged in the shell, and the shell is provided with an airflow channel communicated with the outside atmosphere; the atomization assembly comprises a porous body and a heating body, the porous body comprises a liquid absorption face and an atomization face which are oppositely arranged, the heating body is arranged on the atomization face, the porous body is provided with at least one ventilation channel, one end of the ventilation channel is communicated with the oil storage bin, and the other end of the ventilation channel is communicated with the outside atmosphere; the atomization assembly is sleeved with the first sealing piece, and the first sealing piece comprises at least one sealing part corresponding to the ventilation channel; the sealing part can open and close the ventilation channel to allow external atmosphere to enter the oil storage bin and prevent liquid in the oil storage bin from flowing out. According to the electronic cigarette atomization device, the problems that liquid in the shell is not smoothly discharged and oil leaks can be effectively solved.

IPC 8 full level

A24F 40/485 (2020.01); **A24F 40/40** (2020.01); **A24F 40/44** (2020.01); **A24F 40/10** (2020.01)

CPC (source: EP US)

A24F 40/10 (2020.01 - US); **A24F 40/40** (2020.01 - EP); **A24F 40/42** (2020.01 - US); **A24F 40/44** (2020.01 - EP); **A24F 40/46** (2020.01 - US); **A24F 40/485** (2020.01 - EP US); **A24F 40/10** (2020.01 - EP)

Citation (search report)

- [XY] CN 212852491 U 20210402 - SHENZHEN FIRST UNION TECH CO
- [YA] WO 2020048513 A1 20200312 - SHENZHEN SMOORE TECHNOLOGY LTD [CN]
- See also references of WO 2022247096A1

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

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EP 4298934 A1 20240103; **EP 4298934 A4 20240821**; CN 215075542 U 20211210; US 2024016226 A1 20240118; WO 2022247096 A1 20221201

DOCDB simple family (application)

EP 21942661 A 20211009; CN 2021122902 W 20211009; CN 202121151375 U 20210526; US 202318476305 A 20230928