

Title (en)

ATOMIZER AND ELECTRONIC ATOMIZATION DEVICE

Title (de)

ZERSTÄUBER UND ELEKTRONISCHE ZERSTÄUBUNGSVORRICHTUNG

Title (fr)

ATOMISEUR ET DISPOSITIF D'ATOMISATION ÉLECTRONIQUE

Publication

**EP 4046504 A4 20240508 (EN)**

Application

**EP 21868598 A 20210914**

Priority

- CN 202010974502 A 20200916
- CN 2021118081 W 20210914

Abstract (en)

[origin: EP4046504A1] An atomizer (10) comprises an atomizing core (100) and a bottom cover (200), wherein the atomizer (10) is provided with a suction channel (600); at least part of the atomizing core (100) is located in the suction channel (600); the atomizing core (100) is configured to temporarily store a liquid and atomize the liquid to form an aerosol to be discharged into the suction channel (600); the bottom cover (200) is provided with a gas inlet channel (500); the gas inlet channel (500) is provided with an outlet port (510) for gas to flow out of; the suction channel (600) is provided with an inlet port (611) for gas to flow into; external gas entering the gas inlet channel (500) sequentially passes through the outlet port (510) and the inlet port (611), and then enters the suction channel (600) to carry the aerosol; and the orthographic projection of the inlet port (611) on the bottom cover (200) is located outside the contour of the outlet port (510).

IPC 8 full level

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

Citation (search report)

- [XAI] CN 210226908 U 20200403 - SHENZHEN IJOY TECH CO LTD
- [E] EP 4260717 A1 20231018 - SHENZHEN FIRST UNION TECH CO [CN]
- See also references of WO 2022057775A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 4046504 A1 20220824**; **EP 4046504 A4 20240508**; CN 112021659 A 20201204; WO 2022057775 A1 20220324

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