

Title (en)

AEROSOL GENERATING DEVICE AND AEROSOL ELECTRONIC INHALER

Title (de)

AEROSOLERZEUGUNGSVORRICHTUNG UND ELEKTRONISCHER AEROSOLINHALATOR

Title (fr)

DISPOSITIF DE GÉNÉRATION D'AÉROSOL ET INHALATEUR ÉLECTRONIQUE D'AÉROSOL

Publication

EP 4169395 A1 20230426 (EN)

Application

EP 21825820 A 20210618

Priority

- CN 202021139269 U 20200618
- CN 2021100965 W 20210618

Abstract (en)

This application discloses an aerosol generation apparatus and an electronic aerosol inhaler. The aerosol generation apparatus provides at least one implementation. The apparatus includes a shell, and a first liquid holder, a second liquid holder, and a vaporization element located in the shell. The shell extends in an axial direction and has a substrate cavity for accommodating a liquid substrate, the first liquid holder includes a body and a support portion extending from the body into the substrate cavity, the second liquid holder fits with the support portion of the first liquid holder to define a vaporization cavity, the vaporization element is held by the support portion, and an airflow buffer cavity located upstream of the vaporization cavity is formed in the body of the first liquid holder. The aerosol generation apparatus in this implementation enhances desired inhalation experience for the user by improving an airflow path design in the apparatus.

IPC 8 full level

A24F 40/10 (2020.01); **A24F 40/40** (2020.01); **A24F 40/46** (2020.01); **A24F 47/00** (2020.01)

CPC (source: EP US)

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

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 4169395 A1 20230426; **EP 4169395 A4 20231206**; CN 212852492 U 20210402; US 2023240371 A1 20230803;
WO 2021254492 A1 20211223

DOCDB simple family (application)

EP 21825820 A 20210618; CN 202021139269 U 20200618; CN 2021100965 W 20210618; US 202118011189 A 20210618