

Title (en)

ATOMIZER AND AEROSOL GENERATING DEVICE

Title (de)

ZERSTÄUBER UND AEROSOLERZEUGUNGSVORRICHTUNG

Title (fr)

ATOMISEUR ET DISPOSITIF DE PRODUCTION D'AÉROSOL

Publication

EP 4364588 A1 20240508 (EN)

Application

EP 22831898 A 20220624

Priority

- CN 202110718192 A 20210628
- CN 2022101262 W 20220624

Abstract (en)

This application discloses a vaporizer and an aerosol generation device. The vaporizer includes a housing and a liquid storage cavity provided in the housing, and a vaporization assembly. The vaporization assembly is located on one side of the liquid storage cavity. The vaporization assembly includes a heating element and a liquid guide element; and the liquid guide element includes a main body portion and at least one extension portion, and the heating element is connected to the main body portion. At least one liquid guide hole and an accommodation cavity configured to buffer a liquid substrate are defined in the vaporization assembly. The extension portion may extend into the accommodation cavity, and the accommodation cavity is arranged away from the liquid storage cavity. In the vaporizer, the extension portion that may be configured to guide excessive liquid substrates is arranged on the liquid guide element, which can prevent excessive liquid substrates from accumulating near the heating element. In addition, the extension portion extends into the accommodation cavity, and the accommodation cavity may further buffer the excessive liquid substrates.

IPC 8 full level

A24F 40/10 (2020.01); **A24F 40/40** (2020.01); **A24F 40/42** (2020.01); **A24F 40/46** (2020.01); **A24F 47/00** (2020.01)

CPC (source: CN EP)

A24F 40/10 (2020.01 - CN); **A24F 40/40** (2020.01 - CN EP); **A24F 40/42** (2020.01 - CN); **A24F 40/44** (2020.01 - EP); **A24F 40/46** (2020.01 - CN); **A24F 40/485** (2020.01 - EP); **A24F 40/10** (2020.01 - EP); **A24F 40/42** (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 4364588 A1 20240508; CN 115590249 A 20230113; WO 2023274084 A1 20230105

DOCDB simple family (application)

EP 22831898 A 20220624; CN 202110718192 A 20210628; CN 2022101262 W 20220624