

Title (en)

ELECTRONIC ATOMIZATION DEVICE, AND ATOMIZER AND ATOMIZATION ASSEMBLY THEREOF

Title (de)

ELEKTRONISCHE ZERSTÄUBUNGSVORRICHTUNG UND ZERSTÄUBER UND ZERSTÄUBUNGSANORDNUNG DAFÜR

Title (fr)

DISPOSITIF D'ATOMISATION ÉLECTRONIQUE, ET ATOMISEUR ET ENSEMBLE D'ATOMISATION ASSOCIÉS

Publication

**EP 4268635 A4 20240529 (EN)**

Application

**EP 21920739 A 20211126**

Priority

- CN 202110090068 A 20210122
- CN 2021133704 W 20211126

Abstract (en)

[origin: WO2022156363A1] The present invention relates to an electronic atomization device, and an atomizer and atomization assembly thereof. The atomization assembly comprises a heating assembly and an atomization base sleeved on the heating assembly; the atomization base is provided with a vapor outlet channel in communication with an atomization cavity; the heating assembly comprises an atomization face arranged towards the vapor outlet channel; and the atomization base is provided with a vapor guide structure for guiding the vapor flow onto the atomization face. The atomization assembly is provided with a vapor guide structure on the atomization base, so that the vapor flow can be guided to the atomization face arranged towards the vapor outlet channel, thereby increasing the amount of the atomized aerosol and improving the vaping experience of a user.

IPC 8 full level

**A24F 40/485** (2020.01); **A24F 40/10** (2020.01); **A24F 40/46** (2020.01)

CPC (source: CN EP US)

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

Citation (search report)

- [XAY] US 2020015524 A1 20200116 - RADO J CHRISTIAN [US]
- [XAY] US 2017086506 A1 20170330 - RADO J CHRISTIAN [US]
- [Y] US 2016213065 A1 20160728 - WENSLEY MARTIN [US], et al
- [Y] CN 112089110 A 20201218 - PHILIP MORRIS PRODUCTS SA
- [A] WO 2020258079 A1 20201230 - SHENZHEN SMOORE TECHNOLOGY LTD [CN]
- See also references of WO 2022156363A1

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

DOCDB simple family (publication)

**EP 4268635 A1 20231101**; **EP 4268635 A4 20240529**; CN 112790434 A 20210514; US 2024016224 A1 20240118; WO 2022156363 A1 20220728

DOCDB simple family (application)

**EP 21920739 A 20211126**; CN 202110090068 A 20210122; CN 2021133704 W 20211126; US 202318356154 A 20230720