

Title (en)
AEROSOL GENERATING DEVICE

Title (de)
AEROSOLERZEUGUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE GÉNÉRATION D'AÉROSOL

Publication
EP 4193853 A4 20240117 (EN)

Application
EP 21952125 A 20211020

Priority
CN 2021124893 W 20211020

Abstract (en)
[origin: EP4193853A1] The application provides an aerosol generation device, in which the aerosol generation device includes an enclosure, a resonance chamber arranged in the enclosure, the resonance chamber being capable of holding therein an aerosol generation substance; a microwave assembly, which is arranged on the enclosure, the microwave assembly being operable to feed microwaves to the interior of the resonance chamber; a resonance pillar, a first end of the resonance pillar connected to the chamber bottom wall of the resonance chamber, a second end of the resonance pillar facing the opening of the resonance chamber; probes, the number of the probes being at least two, the at least two probes arranged at intervals on the resonance pillar, the aerosol generation substance located between the at least two probes. The application improves the uniformity of heating to the aerosol generation substance, preventing the aerosol generation substance from being heated incompletely and increasing the utilization efficiency of the aerosol generation substance.

IPC 8 full level
A24F 40/46 (2020.01); **A24F 40/20** (2020.01); **H05B 6/64** (2006.01)

CPC (source: EP KR)
A24F 40/46 (2020.01 - EP KR); **A24F 40/51** (2020.01 - KR); **H05B 6/6447** (2013.01 - KR); **H05B 6/72** (2013.01 - EP); **H05B 6/80** (2013.01 - EP KR); **A24F 40/20** (2020.01 - EP)

Citation (search report)

- [A] CN 108552612 A 20180921 - CHINA TOBACCO YUNNAN IND CO LTD
- [A] WO 2021013477 A1 20210128 - PHILIP MORRIS PRODUCTS SA [CH]
- [A] US 2019356047 A1 20191121 - GUDURU RAKESH [US]
- See also references of WO 2023065138A1

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 4193853 A1 20230614; EP 4193853 A4 20240117; JP 2023549991 A 20231130; JP 7481495 B2 20240510; KR 20230058006 A 20230502; WO 2023065138 A1 20230427

DOCDB simple family (application)
EP 21952125 A 20211020; CN 2021124893 W 20211020; JP 2022566627 A 20211020; KR 20227038190 A 20211020