

Title (en)

AEROSOL GENERATION DEVICE AND CONTROL METHOD THEREFOR

Title (de)

AEROSOLERZEUGUNGSVORRICHTUNG UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)

DISPOSITIF DE GÉNÉRATION D'AÉROSOL ET PROCÉDÉ DE COMMANDE ASSOCIÉ

Publication

EP 4140332 A4 20240103 (EN)

Application

EP 21935321 A 20211112

Priority

- KR 20210041624 A 20210331
- KR 2021016505 W 20211112

Abstract (en)

[origin: EP4140332A1] An aerosol generation device and a control method thereof are provided. The aerosol generation device according to some embodiments of the present disclosure may include a liquid supply part configured to supply a liquid aerosol-forming substrate, a vaporization element configured to vaporize the supplied liquid aerosol-forming substrate to generate an aerosol in a vaporization space, and an airflow path configured to allow the aerosol generated in the vaporization space to move toward a mouthpiece. Here, the vaporization element, an inlet of the airflow path, and an outlet of the airflow path may be formed of a nonlinear structure, and through this structure, a droplet discharge phenomenon and an airflow path blockage phenomenon may be prevented.

IPC 8 full level

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CPC (source: EP KR US)

A24F 7/00 (2013.01 - KR); **A24F 40/05** (2020.01 - US); **A24F 40/10** (2020.01 - KR US); **A24F 40/40** (2020.01 - EP KR); **A24F 40/44** (2020.01 - KR US); **A24F 40/48** (2020.01 - US); **A24F 40/485** (2020.01 - EP KR); **A24F 40/50** (2020.01 - KR US); **A24F 40/10** (2020.01 - EP); **A24F 40/44** (2020.01 - EP)

Citation (search report)

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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

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Designated validation state (EPC)

KH MA MD TN

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EP 4140332 A1 20230301; **EP 4140332 A4 20240103**; CN 115515444 A 20221223; JP 2023523897 A 20230608; JP 7505576 B2 20240625; KR 102623331 B1 20240109; KR 20220135651 A 20221007; US 2023225415 A1 20230720; WO 2022211208 A1 20221006

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