

Title (en)

AEROSOL GENERATING 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 4129099 A1 20230208 (EN)

Application

EP 21779095 A 20210326

Priority

- CN 202010232894 A 20200328
- CN 2021083347 W 20210326

Abstract (en)

The present application relates to the field of smoking sets, and provides an aerosol generation apparatus and a control method therefor. The method includes: determining total energy generated by heating of a heater within a preset time, and performing dry-burning detection according to the total energy generated by heating of the heater within the preset time, where the preset time is greater than or equal to duration when the temperature of the heater rises from an initial temperature to a preset target temperature. According to the present application, dry-burning detection is performed according to the total energy generated by heating of the heater within the preset time, avoiding the problem of damage to a heating component when the heater is in a dry-burning state while a cigarette is not inserted into the aerosol generation apparatus. Therefore, user experience is improved.

IPC 8 full level

A24F 40/57 (2020.01); **A24F 40/53** (2020.01)

CPC (source: EP KR US)

A24F 40/46 (2020.01 - KR US); **A24F 40/50** (2020.01 - KR); **A24F 40/53** (2020.01 - EP KR); **A24F 40/57** (2020.01 - EP KR US); **A24F 40/20** (2020.01 - EP KR)

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 4129099 A1 20230208; **EP 4129099 A4 20230920**; CN 113439881 A 20210928; JP 2023519691 A 20230512; JP 7503359 B2 20240620; KR 20220160110 A 20221205; US 2023138171 A1 20230504; WO 2021197232 A1 20211007

DOCDB simple family (application)

EP 21779095 A 20210326; CN 202010232894 A 20200328; CN 2021083347 W 20210326; JP 2022559437 A 20210326; KR 20227037964 A 20210326; US 202117914772 A 20210326