

Title (en)

CONTROL UNIT OF AEROSOL GENERATION DEVICE

Title (de)

STEUEREINHEIT EINER AEROSOLERZEUGUNGSVORRICHTUNG

Title (fr)

UNITÉ DE COMMANDE D'UN DISPOSITIF DE GÉNÉRATION D'AÉROSOL

Publication

EP 3935971 A3 20220427 (EN)

Application

EP 21183943 A 20210706

Priority

JP 2020118104 A 20200708

Abstract (en)

A control unit of an aerosol generation device includes: a flow rate sensor configured to output a flow rate of inhalation by a user; and a processing device configured to acquire an atomization command of an aerosol source by an atomizer. The processing device is configured: to control discharge from a power supply to the atomizer, based on the atomization command; to acquire a flow rate per unit time during the inhalation corresponding to each atomization command, based on an output of the flow rate sensor; to acquire an inhalation time that is a length of the inhalation corresponding to each atomization command; and to acquire at least one of a remaining amount of a flavor source configured to add flavor to aerosol generated from the aerosol source and a consumed amount of the flavor source, based on the flow rate per unit time and the inhalation time.

IPC 8 full level

A24F 40/50 (2020.01); **A24F 40/30** (2020.01)

CPC (source: EP US)

A24F 40/30 (2020.01 - EP); **A24F 40/50** (2020.01 - EP); **A24F 40/51** (2020.01 - US); **A24F 40/53** (2020.01 - US); **A24F 40/57** (2020.01 - US); **A24F 40/51** (2020.01 - EP)

Citation (search report)

- [XAI] EP 3508081 A1 20190710 - JT INT SA [CH]
- [X] EP 2468116 A1 20120627 - PHILIP MORRIS PROD [CH]
- [X] EP 3400815 A1 20181114 - JAPAN TOBACCO INC [JP]
- [A] EP 3545780 A1 20191002 - JAPAN TOBACCO INC [JP]

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

DOCDB simple family (publication)

EP 3935971 A2 20220112; **EP 3935971 A3 20220427**; JP 2022015341 A 20220121; US 2022007737 A1 20220113

DOCDB simple family (application)

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