

Title (en)

INHALATION DEVICE, POWER SUPPLY UNIT, AND METHOD

Title (de)

INHALATIONSVORRICHTUNG, STROMVERSORGUNGSEINHEIT UND VERFAHREN

Title (fr)

DISPOSITIF D'INHALATION, BLOC D'ALIMENTATION ÉLECTRIQUE ET PROCÉDÉ

Publication

**EP 3987956 A4 20230111 (EN)**

Application

**EP 19933510 A 20190618**

Priority

JP 2019023995 W 20190618

Abstract (en)

[origin: US2022071300A1] An inhalation device appropriately ascertains the state of a power supply part and, in particular, quickly and reliably detects the state when a power supply abnormality has occurred during battery discharge. An inhalation device generates an aerosol and includes a heating part that atomizes an aerosol source, a power supply part that performs an operation that supplies power to the heating part, a sensor that detects a voltage value for the power supply part, a control part that determines the state of the power supply part on the basis of a total power supply count and a normal power supply count that are tallied in accordance with the power supply operation, the normal power supply count being tallied when the voltage value for the power supply part is at or above a prescribed voltage threshold value throughout the power supply operation, and a notification part that gives notification of the state of the power supply part.

IPC 8 full level

**A24F 40/51** (2020.01); **A24F 40/53** (2020.01)

CPC (source: EP US)

**A24F 40/51** (2020.01 - EP US); **A24F 40/53** (2020.01 - EP US); **A24F 40/60** (2020.01 - US)

Citation (search report)

- [XAI] WO 2019077710 A1 20190425 - JAPAN TOBACCO INC [JP]
- [A] WO 2018163262 A1 20180913 - JAPAN TOBACCO INC [JP]
- See references of WO 2020255233A1

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)

**US 2022071300 A1 20220310**; EP 3987956 A1 20220427; EP 3987956 A4 20230111; JP 7108790 B2 20220728;  
JP WO2020255233 A1 20211125; WO 2020255233 A1 20201224

DOCDB simple family (application)

**US 202117530001 A 20211118**; EP 19933510 A 20190618; JP 2019023995 W 20190618; JP 2021528083 A 20190618