

Title (en)

INHALATION DEVICE, CONTROL METHOD, AND PROGRAM

Title (de)

INHALATIONSVORRICHTUNG, STEUERUNGSVERFAHREN UND PROGRAMM

Title (fr)

DISPOSITIF D'INHALATION, PROCÉDÉ DE COMMANDE ET PROGRAMME

Publication

EP 4226794 A4 20240717 (EN)

Application

EP 20957579 A 20201012

Priority

JP 2020038421 W 20201012

Abstract (en)

[origin: EP4226794A1] [Problem] To provide a mechanism with which it is possible to further improve the quality of the experience of using an inhalation device. [Solution] An inhalation device comprises: a heating unit that heats a substrate to generate aerosols; and a control unit that controls an operation of the heating unit on the basis of a heating profile in which a time-series transition of a target temperature, which is a target value of the temperature of the heating unit, is designated. The heating profile includes a plurality of time sections which are continuous along a time axis. In each of the plurality of time sections, the target temperature of an end period of the time section is set. The heating profile includes an initial temperature raising section at the beginning. The target temperature which is set in the initial temperature raising section is higher than an initial value. The initial temperature raising section includes a first temperature raising section and a second temperature raising section following the first temperature raising section. The first temperature raising section and the second temperature raising section have mutually different temperature raising widths per unit time.

IPC 8 full level

A24F 40/57 (2020.01)

CPC (source: EP)

A24F 40/57 (2020.01); **A24F 40/20** (2020.01)

Citation (search report)

- [XYI] CN 108618207 A 20181009 - LYUYAN IND SHENZHEN CO LTD
- [Y] WO 2020084773 A1 20200430 - JAPAN TOBACCO INC [JP] & EP 3871530 A1 20210901 - JAPAN TOBACCO INC [JP]
- [A] WO 2020017789 A1 20200123 - KT & G CORP [KR] & US 11541193 B2 20230103 - LEE JAE MIN [KR]
- [A] US 2016205998 A1 20160721 - MATSUMOTO HIROFUMI [JP], et al
- See also references of WO 2022079750A1

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)

EP 4226794 A1 20230816; EP 4226794 A4 20240717; JP WO2022079750 A1 20220421; TW 202214133 A 20220416;
WO 2022079750 A1 20220421

DOCDB simple family (application)

EP 20957579 A 20201012; JP 2020038421 W 20201012; JP 2022557223 A 20201012; TW 110107301 A 20210302