

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 4074200 A4 20230913 (EN)

Application

EP 20933376 A 20200428

Priority

JP 2020018065 W 20200428

Abstract (en)

[origin: EP4074200A1] [Problem] To provide a mechanism capable of improving the accuracy of detection of a puff. [Solution] This inhalation device is provided with: a heating unit for heating an aerosol source; a temperature varying unit, the temperature of which is increased due to heat generated by heating by the heating unit, and is decreased as a result of suction of an aerosol generated from the aerosol source heated by the heating unit; and a control unit for detecting suction of the aerosol when the manner of temperature decrease of the temperature varying unit meets a detection reference. The control unit changes the detection reference on the basis of the time elapsed from the start of heating of the aerosol source by the heating unit.

IPC 8 full level

A24F 40/51 (2020.01); **A24F 47/00** (2020.01); **A24F 40/57** (2020.01)

CPC (source: EP)

A24F 40/51 (2020.01); **A24F 40/20** (2020.01); **A24F 40/57** (2020.01)

Citation (search report)

- [Y] WO 2019208536 A1 20191031 - JAPAN TOBACCO INC [JP]
- [Y] WO 2018027189 A2 20180208 - JUUL LABS INC [US]
- See references of WO 2021220384A1

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 4074200 A1 20221019; **EP 4074200 A4 20230913**; JP 7284347 B2 20230530; JP WO2021220384 A1 20211104; TW 202139866 A 20211101; WO 2021220384 A1 20211104

DOCDB simple family (application)

EP 20933376 A 20200428; JP 2020018065 W 20200428; JP 2022518472 A 20200428; TW 109130427 A 20200904