

Title (en)

DEVICE AND METHOD FOR ADJUSTING A QUANTITY OF ACTIVE SUBSTANCE INHALED BY A USER

Title (de)

VORRICHTUNG UND VERFAHREN ZUR EINSTELLUNG EINER VON EINEM BENUTZER INHALIERTEN WIRKSTOFFMENGE

Title (fr)

DISPOSITIF ET PROCÉDÉ D'AJUSTEMENT D'UNE QUANTITÉ DE SUBSTANCE ACTIVE INHALÉE PAR UN UTILISATEUR

Publication

**EP 4096449 A1 20221207 (FR)**

Application

**EP 21706175 A 20210127**

Priority

- FR 2000768 A 20200127
- EP 2021051878 W 20210127

Abstract (en)

[origin: WO2021151954A1] Disclosed is a device (10) for adjusting the quantity of two liquids that are aerosolised in order to be inhaled simultaneously by a user, characterised in that said device comprises: - two tanks (105, 110), a first tank comprising a first liquid and a second tank comprising a second liquid having at least one different property, each liquid being configured to be aerosolised when this liquid undergoes a determined physical interaction, - an end piece (115) for inhalation, by the user, of the aerosolised liquid coming from each tank, - two aerosolisation means (120, 125) for aerosolising the first and second liquid respectively, each tank being associated with one aerosolisation means, - a single autonomous source of electrical power (130) for supplying electrical power to each aerosolisation means, - a means (135) for determining a ratio of liquids to be aerosolised for each liquid and - a switching means (140) for alternately supplying each aerosolisation means with electrical power from the single autonomous power source, as a function of the determined ratio, the switching means comprising two pulse-width modulators installed in series or a single pulse-width modulator between the autonomous electrical power source and each aerosolisation means.

IPC 8 full level

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

CPC (source: EP US)

**A24F 40/10** (2020.01 - US); **A24F 40/30** (2020.01 - EP US); **A24F 40/42** (2020.01 - US); **A24F 40/46** (2020.01 - US); **A24F 40/485** (2020.01 - US); **A24F 40/50** (2020.01 - EP); **A24F 40/57** (2020.01 - US); **A24F 40/10** (2020.01 - EP); **A61M 15/06** (2013.01 - US); **H03K 3/017** (2013.01 - US)

Citation (search report)

See references of WO 2021151954A1

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)

**FR 3106472 A1 20210730**; EP 4096449 A1 20221207; US 2023078882 A1 20230316; WO 2021151954 A1 20210805

DOCDB simple family (application)

**FR 2000768 A 20200127**; EP 2021051878 W 20210127; EP 21706175 A 20210127; US 202117759514 A 20210127