

Title (en)

METHOD FOR ADJUSTING THE NICOTINE CONTENT IN AN E-CIGARETTE AEROSOL

Title (de)

VERFAHREN ZUR EINSTELLUNG DES NIKOTINGEHALTS IN EINEM E-ZIGARETTEN-AEROSOL

Title (fr)

PROCÉDÉ DE RÉGLAGE DE LA TENUEUR EN NICOTINE D'UN AÉROSOL DE CIGARETTE ÉLECTRONIQUE

Publication

EP 4262445 A1 20231025 (DE)

Application

EP 21830617 A 20211201

Priority

- DE 102020133733 A 20201216
- EP 2021083732 W 20211201

Abstract (en)

[origin: WO2022128470A1] A method for adjusting the nicotine content of an aerosol in an inhaler, comprising the following steps: - a feed step, in which at least one liquid having a first nicotine content is fed from a vaporiser reservoir to an electric vaporiser, - a vaporisation step, in which the at least one liquid is vaporised, producing an aerosol, - a discharging step, in which a final aerosol, consisting of the amalgamation of all aerosols formed in the inhaler from the at least one liquid, is discharged from the inhaler to a user, wherein at least one of the at least one liquid has a precursor substance, which can be converted into nicotine by chemical reaction, and the method further comprising a nicotine production step, in which the precursor substance is converted into nicotine by chemical reaction such that the final aerosol has a second nicotine content which is higher than the first nicotine content, makes it possible for an increased blood nicotine concentration to be achievable compared to that using conventional liquids, and in so doing complies with the provisions of 2014/40/EU at the same time.

IPC 8 full level

A24B 15/167 (2020.01); **A24B 15/28** (2006.01); **A24B 15/38** (2006.01); **A24B 15/40** (2006.01); **A24F 40/40** (2020.01)

CPC (source: EP US)

A24B 15/167 (2016.10 - EP US); **A24B 15/284** (2013.01 - EP); **A24B 15/385** (2013.01 - EP); **A24F 40/10** (2020.01 - US); **A24F 40/30** (2020.01 - US); **A24F 40/10** (2020.01 - EP); **A24F 40/40** (2020.01 - EP)

Citation (search report)

See references of WO 2022128470A1

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)

WO 2022128470 A1 20220623; CN 116600663 A 20230815; DE 102020133733 A1 20220623; DE 102020133733 B4 20220707; EP 4262445 A1 20231025; US 2024130416 A1 20240425

DOCDB simple family (application)

EP 2021083732 W 20211201; CN 202180084642 A 20211201; DE 102020133733 A 20201216; EP 21830617 A 20211201; US 202118257735 A 20211201