

Title (en)

ATOMIZING UNIT AND NON-COMBUSTION-HEATING-TYPE FLAVOR INHALING MECHANISM

Title (de)

ZERSTÄUBEREINHEIT UND VERBRENNUNGSFREIER MECHANISMUS ZUM INHALIEREN VON AROMA

Title (fr)

UNITÉ D'ATOMISATION ET MÉCANISME D'INHALATION D'ARÔME DE TYPE À CHAUFFAGE SANS COMBUSTION

Publication

EP 4062779 A4 20230830 (EN)

Application

EP 19953352 A 20191119

Priority

JP 2019045226 W 20191119

Abstract (en)

[origin: US2022202082A1] To prevent droplets formed by agglomeration of aerosol in an aerosol flow path from reaching the inside of a user's mouth, an atomizing unit includes an atomizing section configured to atomize an aerosol source, a tank configured to hold the aerosol source, and a liquid holding section disposed at a front end of the tank. The tank includes a flow path wall that defines at least part of an aerosol flow path, through which aerosol generated by atomizing of the aerosol source passes, and which extends in a first direction. The atomizing unit further includes a liquid evacuation section disposed in the aerosol flow path. The liquid holding section is in communication with the liquid evacuation section.

IPC 8 full level

A24F 40/10 (2020.01); **A24F 40/485** (2020.01)

CPC (source: EP US)

A24F 40/10 (2020.01 - US); **A24F 40/42** (2020.01 - US); **A24F 40/485** (2020.01 - EP US); **A24F 40/10** (2020.01 - EP); **A24F 40/42** (2020.01 - EP)

Citation (search report)

- [XA] WO 2015074187 A1 20150528 - KIMREE HI TECH INC
- [XA] US 2019223504 A1 20190725 - CHEN ZHIPING [CN]
- [XA] CN 103237469 A 20130807 - PHILIP MORRIS PROD
- [E] WO 2020176901 A2 20200903 - JUUL LABS INC [US], et al
- See references of WO 2021100111A1

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 2022202082 A1 20220630; EP 4062779 A1 20220928; EP 4062779 A4 20230830; JP 7281555 B2 20230525;
JP WO2021100111 A1 20210527; TW 202119950 A 20210601; WO 2021100111 A1 20210527

DOCDB simple family (application)

US 202217697003 A 20220317; EP 19953352 A 20191119; JP 2019045226 W 20191119; JP 2021558069 A 20191119;
TW 109114344 A 20200429