

Title (en)
AEROSOL GENERATION DEVICE WITH REDUCED SPITTING EFFECT

Title (de)
VORRICHTUNG ZUR ERZEUGUNG VON AEROSOLEN MIT REDUZIERTEM SPUCKEFFEKT

Title (fr)
DISPOSITIF DE GÉNÉRATION D'AÉROSOL À EFFET DE GICLEMENT RÉDUIT

Publication
EP 4169403 A1 20230426 (EN)

Application
EP 21204011 A 20211021

Priority
EP 21204011 A 20211021

Abstract (en)
An aerosol generation device (1) comprises:- a reservoir (5) storing an aerosol-forming liquid comprising first and second mixed compounds having first and second boiling points,- a heater (18) for vaporizing the aerosol-forming liquid mixed with air in an aerosol chamber (7) to generate an aerosol,- a power source storing electrical energy, and- a controller arranged, during each inhalation phase of a vaping session, for controlling supply of electrical power to the heater (18) according to a chosen profile in which the electrical power varies over time depending on the first and second boiling points in order to control a vaporization ratio of the first and second compounds in the aerosol chamber (7).

IPC 8 full level
A24F 40/50 (2020.01)

CPC (source: EP US)
A24F 40/10 (2020.01 - US); **A24F 40/42** (2020.01 - US); **A24F 40/46** (2020.01 - US); **A24F 40/50** (2020.01 - EP); **A24F 40/10** (2020.01 - EP)

Citation (search report)

- [XAI] WO 2020064876 A1 20200402 - PHILIP MORRIS PRODUCTS SA [CH]
- [X] US 2017224019 A1 20170810 - KUCZAJ ARKADIUSZ [CH]
- [X] US 2017086505 A1 20170330 - CAMERON JOHN [US]

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)
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