

Title (en)

ELECTRONIC VAPORIZER AND CONTROL METHOD FOR VAPORIZING A VISCOUS MATERIAL

Title (de)

ELEKTRONISCHER VERDAMPFER UND STEUERUNGSVERFAHREN ZUM VERDAMPFEN EINES VISKOSEN MATERIALS

Title (fr)

VAPORISATEUR ÉLECTRONIQUE ET PROCÉDÉ DE COMMANDE POUR LA VAPORISATION D'UN MATÉRIAU VISQUEUX

Publication

**EP 4415574 A1 20240821 (EN)**

Application

**EP 22881668 A 20221011**

Priority

- US 202163254186 P 20211011
- US 2022046311 W 20221011

Abstract (en)

[origin: WO2023064298A1] An electronic vaping device includes a heating element that is to be energized to convert a portion of a vaping material into a vapor by elevating a temperature of the vaping material. The vaping material, in a first thermal state, comprises a relatively-high viscosity. The electronic vaping device also includes airflow passage through which air entraining the vapor flows as a result of a user inhaling through a mouthpiece during a puff. A control circuit operates the heating element in a maintenance mode after the puff to maintain the vaping material in a second thermal state. The vaping material comprises a relatively-low viscosity in the second thermal state, and the relatively-high viscosity is greater than the relatively-low viscosity.

IPC 8 full level

**A24F 40/57** (2020.01)

CPC (source: EP)

**A24F 40/10** (2020.01); **A24F 40/57** (2020.01)

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**WO 2023064298 A1 20230420**; EP 4415574 A1 20240821

DOCDB simple family (application)

**US 2022046311 W 20221011**; EP 22881668 A 20221011