Title (en)

HEATING ASSEMBLY, ATOMIZER, AND ELECTRONIC ATOMIZATION APPARATUS

Title (de)

HEIZANORDNUNG, ZERSTÄUBER UND ELEKTRONISCHE ZERSTÄUBUNGSVORRICHTUNG

Title (fr)

ENSEMBLE DE CHAUFFAGE, ATOMISEUR ET APPAREIL D'ATOMISATION ÉLECTRONIQUE

Publication

EP 4226783 A4 20230920 (EN)

Application

EP 21946245 A 20211230

Priority

CN 2021143260 W 20211230

Abstract (en)

[origin: US2023210182A1] A heating assembly for a vaporizer is disclosed. The heating assembly includes a dense substrate having a liquid absorbing surface and a vaporization surface that are arranged opposite to each other, and a heating component disposed on the liquid absorbing surface. The dense substrate further includes a plurality of vertical holes and a plurality of transverse holes, the plurality of vertical holes run through the liquid absorbing surface and the vaporization surface, and the plurality of transverse holes communicate the plurality of vertical holes to prevent bubbles from blocking liquid supplying through the plurality of transverse holes, thereby further preventing dry burning.

IPC 8 full level

A24F 40/44 (2020.01); **A24F 40/46** (2020.01); **A24F 40/485** (2020.01); A24F 40/10 (2020.01)

CPC (source: EP US)

A24F 40/10 (2020.01 - EP US); **A24F 40/44** (2020.01 - EP US); **A24F 40/46** (2020.01 - EP US); **A24F 40/485** (2020.01 - EP US)

Citation (search report)

- [XAI] WO 2021104151 A1 20210603 - SHENZHEN SMOORE TECHNOLOGY LTD [CN]
- [E] WO 2023000799 A1 20230126 - SHENZHEN SMOORE TECHNOLOGY LTD [CN]
- [A] WO 2021143328 A1 20210722 - SHENZHEN SMOORE TECHNOLOGY LTD [CN]
- See references of WO 2023123250A1

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)

US 2023210182 A1 20230706; EP 4226783 A1 20230816; EP 4226783 A4 20230920; WO 2023123250 A1 20230706

DOCDB simple family (application)

US 202218092017 A 20221230; CN 2021143260 W 20211230; EP 21946245 A 20211230