

Title (en)
HEATING BODY, ATOMIZER AND ELECTRONIC ATOMIZATION DEVICE

Title (de)
HEIZKÖRPER, ZERSTÄUBER UND ELEKTRONISCHE ZERSTÄUBUNGSVORRICHTUNG

Title (fr)
CORPS CHAUFFANT, ATOMISEUR ET DISPOSITIF D'ATOMISATION ÉLECTRONIQUE

Publication
EP 4159057 A4 20230920 (EN)

Application
EP 22759005 A 20220513

Priority
CN 2022092856 W 20220513

Abstract (en)
[origin: EP4159057A2] Disclosed are a heating body, an atomizer and an electronic atomization device. aerosol-generation substanceThe heating body comprises a compact base body, which has a liquid suction surface and an atomization surface arranged opposite each other and is provided with a plurality of micropores that penetrate the liquid suction surface and the atomization surface. The atomization surface is of the surface-treated wetting structure that is in communication with the micropores in a liquid guide manner, which increases the wetting area of the atomization surface, thereby improving the atomization efficiency.

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

Citation (search report)

- [XAYI] WO 2022077359 A1 20220421 - SHENZHEN SMOORE TECHNOLOGY LTD [CN]
- [XAYI] US 2019246692 A1 20190815 - LI XIAOPING [CN], et al
- [XAYI] WO 2021104151 A1 20210603 - SHENZHEN SMOORE TECHNOLOGY LTD [CN]
- [E] EP 4205582 A2 20230705 - SHENZHEN SMOORE TECHNOLOGY LTD [CN]
- [A] WO 2021142640 A1 20210722 - SHENZHEN SMOORE TECHNOLOGY LTD [CN]

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)
EP 4159057 A2 20230405; EP 4159057 A4 20230920; CN 117044999 A 20231114; CN 218185267 U 20230103; US 2023363455 A1 20231116; WO 2022179641 A2 20220901; WO 2022179641 A3 20221124

DOCDB simple family (application)
EP 22759005 A 20220513; CN 2022092856 W 20220513; CN 202211305802 A 20221024; CN 202290000076 U 20220513; US 202218091958 A 20221230