

Title (en)
ELECTRONIC ATOMIZATION ASSEMBLY AND DEVICE

Title (de)
ELEKTRONISCHE ZERSTÄUBUNGSANORDNUNG UND VORRICHTUNG

Title (fr)
ENSEMBLE D'ATOMISATION ÉLECTRONIQUE ET DISPOSITIF

Publication
EP 4046506 A4 20230614 (EN)

Application
EP 21868595 A 20210913

Priority
• CN 2021118029 W 20210913
• CN 202010981311 A 20200917

Abstract (en)
[origin: EP4046506A1] An electronic atomizing assembly includes: a cartridge, a heating cover, and a heating base. The heating cover defines a first groove, and the first groove forms an upper part of an atomizing chamber, and a side wall of the first groove defines a receiving groove. The heating base defines a second groove, and the second groove forms the lower part of the atomizing chamber and configure to the upper part of the atomizing chamber to cooperatively form the atomizing chamber. A side wall of the second groove is provided with a protrusion member and the protrusion member is disposed to the receiving groove, and by configuring the protrusion member to the receiving groove, the sealing between the cartridge and the atomizing chamber can be realized, and by avoiding the leak of e-liquid from the cartridge permeating into the atomizing chamber, the performance of the electronic atomizing device can be improved and at the same time, the user is prevented from sucking the e-liquid to be atomized when inhaling.

IPC 8 full level
A24F 40/40 (2020.01); **A24F 40/42** (2020.01); **A24F 40/10** (2020.01)

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

Citation (search report)
• [X1] US 2019364972 A1 20191205 - LIN GUANGRONG [CN], et al
• [X1] WO 2019137561 A1 20190718 - HUIZHOU HAPPY VAPING TECH LIMITED [CN]
• [X1] EP 3622838 A2 20200318 - KT & G CORP [KR]
• [A] WO 2020176901 A2 20200903 - JUUL LABS INC [US], et al
• See references of WO 2022057772A1

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 4046506 A1 20220824; **EP 4046506 A4 20230614**; CN 112385891 A 20210223; WO 2022057772 A1 20220324

DOCDB simple family (application)
EP 21868595 A 20210913; CN 202010981311 A 20200917; CN 2021118029 W 20210913