

Title (en)
ATOMIZER AND AEROSOL GENERATING APPARATUS

Title (de)
ZERSTÄUBER UND AEROSOLERZEUGUNGSVORRICHTUNG

Title (fr)
ATOMISEUR ET APPAREIL DE GÉNÉRATION D'AÉROSOL

Publication
EP 4111878 A4 20240410 (EN)

Application
EP 21760707 A 20210115

Priority
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• CN 2021071992 W 20210115

Abstract (en)
[origin: EP4111878A1] An atomizer and an aerosol generating apparatus employing the atomizer. The atomizer (100) comprises: an e-liquid storing component (10) and an atomizing component (20). An e-liquid inlet channel (21) is provided within the atomizing component (20). The e-liquid storing component (10) is provided therein with a storage cavity (111) used for storing an aerosol forming matrix. The atomizing component (20) is provided with an e-liquid sealing part (22). An e-liquid guiding hole (221) capable of communicating with the e-liquid inlet channel (21) is provided on the e-liquid sealing part. The atomizing component (20) can be moved from an e-liquid12 sealing position to a use position relative to the e-liquid storing component (10). The atomizer favors the storage of the aerosol forming matrix and, additionally, is capable of preventing the aerosol forming matrix in the storage cavity (111) from leaking to the external environment and preventing the aerosol forming matrix from spoilage when coming into contact with air, thus increasing user experience.

IPC 8 full level
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CPC (source: EP)
A24F 40/40 (2020.01); **A24F 40/42** (2020.01); **A24F 40/485** (2020.01); **A24F 40/10** (2020.01)

Citation (search report)
• [X] CN 210017869 U 20200207 - CHANGZHOU PAITENG ELECTRONIC TECH SERVICE CO LTD
• [X] US 2017280773 A1 20171005 - FORCE ERIC [CH]
• [A] EP 3138427 A1 20170308 - SHENZHEN FIRST UNION TECH CO [CN]
• [A] EP 3053459 A2 20160810 - SHENZHEN FIRST UNION TECH CO [CN]
• [A] CN 110292210 A 20191001 - SHENZHEN YOUME NETWORK TECH CO LTD
• See references of WO 2021169657A1

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

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EP 4111878 A1 20230104; EP 4111878 A4 20240410; CN 211746944 U 20201027; WO 2021169657 A1 20210902

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