

Title (en)

ATOMIZATION GENERATING DEVICE HAVING A LEAK-PROOF STRUCTURE

Title (de)

ZERSTÄUBUNGSERZEUGUNGSVORRICHTUNG MIT EINER LECKSICHEREN STRUKTUR

Title (fr)

DISPOSITIF DE GÉNÉRATION D'ATOMISATION DOTÉ D'UNE STRUCTURE ANTIFUITES

Publication

EP 3725170 A1 20201021 (EN)

Application

EP 20170262 A 20200418

Priority

- CN 201920546310 U 20190419
- CN 201920623220 U 20190430
- CN 201920631424 U 20190502
- CN 201920647289 U 20190503

Abstract (en)

An atomization generating device includes a cartridge (1) including an E-liquid storage tank (19), a bottom base (132), and a vapor channel. The vapor channel (16) is connected with an external environment through a cartridge mouthpiece (17). An atomizing core (15) is disposed at the bottom base and at a lower end of the vapor channel. The atomizing core includes an E-liquid inlet (151). The atomization generating device also includes a main body (3) including a receiving chamber (31). The cartridge (2) includes a leak-proof structure configured to be mechanically co-movable with the cartridge mouthpiece to open and close the E-liquid inlet. The leak-proof structure is configured with a first position and a second position. When the leak-proof structure is at the first position, the E-liquid inlet is closed to block an E-liquid from entering the atomizing core. When the leak-proof structure is at the second position, the E-liquid inlet is open to guide the E-liquid into the atomizing core.

IPC 8 full level

A24F 40/10 (2020.01); **A24F 40/40** (2020.01); **A24F 40/42** (2020.01)

CPC (source: EP)

A24F 40/10 (2020.01); **A24F 40/40** (2020.01); **A24F 40/42** (2020.01)

Citation (search report)

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- [XA] WO 2017093452 A1 20170608 - JT INT SA [CH]
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Cited by

CN113907419A; CN112714595A; US2023105080A1; EP4133951A4

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Designated extension state (EPC)

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