

Title (en)

ATOMIZING CORE AND ATOMIZER OF ELECTRONIC CIGARETTE

Title (de)

ZERSTÄUBUNGSKERN UND ZERSTÄUBER EINER ELEKTRONISCHEN ZIGARETTE

Title (fr)

NOYAU D'ATOMISATION ET ATOMISEUR DE CIGARETTE ÉLECTRONIQUE

Publication

EP 3981269 A4 20230719 (EN)

Application

EP 20827945 A 20200615

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- CN 2020096013 W 20200615

Abstract (en)

[origin: EP3981269A1] An atomizing core and an atomizer of an electronic cigarette. The atomizing core of an electronic cigarette comprises an installation seat (42), an atomizing cotton (41) and an ultrasonic atomizing plate (43). An atomizing cavity is disposed in the middle of the installation seat. A first groove (422) and a second groove (423) are symmetrically disposed on an upper surface of the installation seat communicating with each other. An air outlet opening is disposed at the top of the first groove and is disposed correspondingly to an e-liquid outlet port (321) of an e-liquid cartridge device (3). Air inlet openings are disposed at respective ends of the first groove and the second groove proximate to the atomizing cavity. The first groove is in communication with the second groove by means of the air inlet openings. The air inlet opening of the second groove is in communication with the atomizing cavity, and the air inlet opening of the first groove is smaller than that of the second groove. The air in the atomizing cavity can enter the e-liquid cartridge by means of the first and second grooves through the atomizing cotton, and the e-liquid flows out from the atomizing cotton at the first and second grooves, enabling a smooth flow of e-liquid and controlled flow rate.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [E] EP 4005410 A1 20220601 - CHINA TOBACCO HUNAN IND CO LTD [CN]
- [A] EP 3469933 A1 20190417 - CHINA TOBACCO HUNAN IND CO LTD [CN]
- [A] WO 2018188638 A1 20181018 - CHINA TOBACCO HUNAN IND CO LTD [CN]
- See also references of WO 2020253639A1

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