

Title (en)  
ATOMIZATION ASSEMBLY AND ELECTRONIC CIGARETTE

Title (de)  
ZERSTÄUBERANORDNUNG UND ELEKTRONISCHE ZIGARETTE

Title (fr)  
ENSEMBLE D'ATOMISATION ET CIGARETTE ÉLECTRONIQUE

Publication  
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Application  
**EP 20894540 A 20201126**

Priority  
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• CN 2020131870 W 20201126

Abstract (en)  
[origin: EP4066660A1] Provided are an atomization assembly and an electronic cigarette. The atomization assembly comprises an e-liquid reservoir (1), a porous body (2), and a heating element (3). The e-liquid reservoir (1) comprises an e-liquid storage cavity (b) used for storing e-liquid. The porous body (2) is used for adsorbing e-liquid in the e-liquid storage cavity (b); the porous body (2) comprises an e-liquid contact surface (p<sub>i</sub>), an e-liquid atomization surface (p<sub>2</sub>) and an air inlet surface; the porous body (2) adsorbs the e-liquid in the e-liquid storage cavity (b) by means of the e-liquid contact surface (p<sub>i</sub>); the air inlet surface is used for allowing gas to flow into the porous body (2) and flow into the e-liquid storage cavity (b) by means of the porous body (2); the distance between the air inlet surface and the e-liquid contact surface (p<sub>1</sub>) is smaller than the distance between the e-liquid atomization surface (p<sub>2</sub>) and the e-liquid contact surface (p<sub>1</sub>), and at least part of the heating element (3) is in contact with the e-liquid atomization surface (p<sub>2</sub>) so as to atomize the e-liquid on the e-liquid atomization surface (p<sub>2</sub>). During operation, the porous body (2) can provide enough e-liquid for the electric heating element, and therefore burnt smell can be avoided.

IPC 8 full level  
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CPC (source: EP US)  
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Citation (search report)  
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• See also references of WO 2021104390A1

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