

Title (en)
CARTRIDGE AND ELECTRONIC CIGARETTE

Title (de)
PATRONE UND ELEKTRONISCHE ZIGARETTE

Title (fr)
CARTOUCHE ET CIGARETTE ÉLECTRONIQUE

Publication
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Application
EP 20779128 A 20200306

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Abstract (en)

A cartridge and an electronic cigarette. The cartridge comprises an atomizer (11) comprising a support base (110) and an atomizing head (112) disposed in the support base (110); a liquid storage container (13) sleeved on the support base (110), an e-liquid cavity (130) being defined between the liquid storage container (13) and the support base (110); a liquid pump (15) for pumping the e-liquid in the e-liquid cavity (130) to the atomizing head (112); a constant-pressure member (17) connected to the support base (110) and allowing only outside air to flow into the e-liquid cavity (130) in one direction. Due to the high starting speed of the liquid pump (15), when the liquid in the e-liquid cavity (130) decreases, the air pressure in the e-liquid cavity (130) decreases and suffocation is caused in the e-liquid cavity (130), resulting in an increase in the workload of the piezoelectric pump, thus causing damage to the piezoelectric pump. By means of the constant-pressure member (17), the air in the e-liquid cavity (130) can be quickly replenished, so that the air pressure in the e-liquid cavity (130) is balanced, thereby making the e-liquid pumped by the piezoelectric pump smoother.

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