

Title (en)
CARTRIDGE AND ELECTRONIC CIGARETTE

Title (de)
PATRONE UND ELEKTRONISCHE ZIGARETTE

Title (fr)
CARTOUCHE ET CIGARETTE ÉLECTRONIQUE

Publication
EP 3942952 A4 20230315 (EN)

Application
EP 20779128 A 20200306

Priority

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- CN 201910224294 A 20190322

Abstract (en)
[origin: US2022000181A1] A cartridge and an electronic cigarette are provided. The cartridge includes an atomizer including a supporting base and an atomizing head installed in the supporting base; a liquid storage container installed on the supporting base, a liquid storage chamber being defined between the liquid storage container and the supporting base; a liquid pump configured for pumping e-liquid in the liquid storage chamber to the atomizing head; a constant pressure member installed in the supporting base and only allowing external air to flow into the liquid storage chamber in one direction. Through the arrangement of the constant pressure member, the air in the liquid storage chamber can be quickly replenished, so that the air pressure in the liquid storage chamber is balanced, and the piezoelectric pump can pump the e-liquid more smoothly.

IPC 8 full level
A24F 40/42 (2020.01); **A24F 40/48** (2020.01); **A24F 40/485** (2020.01)

CPC (source: EP US)
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Citation (search report)

- [XY] WO 2018040981 A1 20180308 - CHANGZHOU JWEI INTELLIGENT TECH CO LTD [CN], et al
- [Y] US 2018279688 A1 20181004 - QIU WEIHUA [CN]
- [Y] US 2014109921 A1 20140424 - CHEN ZHIPING [CN]
- [Y] US 2018310616 A1 20181101 - CLEMENS DAVID A [US], et al
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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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US 202117481342 A 20210922; CN 2020078125 W 20200306; EP 20779128 A 20200306