

Title (en)

CARTRIDGE AND ELECTRONIC CIGARETTE HAVING SAME

Title (de)

KARTUSCHE UND ELEKTRONISCHE ZIGARETTE DAMIT

Title (fr)

CARTOUCHE ET CIGARETTE ÉLECTRONIQUE COMPRENANT CETTE DERNIÈRE

Publication

**EP 3510879 A4 20200819 (EN)**

Application

**EP 17852455 A 20170927**

Priority

- CN 201610847097 A 20160922
- CN 2017103701 W 20170927

Abstract (en)

[origin: EP3510879A1] An electronic cigarette, comprising a cartridge (20) and an atomizing assembly (30). The cartridge (20) comprises a top wall (21) and a side wall (22). The top wall (21) and the side wall (22) enclose to form an e-liquid storage cavity (23), the bottom of the e-liquid storage cavity (23) being open. The atomizing assembly (30) comprises an atomizing head (31); an air inlet channel (221) is provided on the side wall (22) on one side of the cartridge (20), and a smoke outlet channel (222) is provided on the side wall (22) on the other side of the cartridge (20). The atomizing head (31) is provided on the bottom side of the cartridge (20); the atomizing head (31) has an atomizing and heating channel (315), one end of the atomizing and heating channel (315) being in communication with the air inlet channel (221), the other end thereof being in communication with the smoke outlet channel (222). An e-liquid inlet hole (3111) is formed on the side wall of the atomizing head (31), and the e-liquid inlet hole (3111) is in communication with the e-liquid storage cavity (23). For the electronic cigarette, the integral design of the e-liquid storage cavity (23), the air inlet channel (221), and the smoke outlet channel (222) saves space and reduces the difficulty of assembling.

IPC 8 full level

**A24F 40/10** (2020.01); **A24F 40/42** (2020.01); **A24F 40/485** (2020.01); **A24F 40/50** (2020.01); **A24F 15/015** (2020.01)

CPC (source: CN EP US)

**A24F 40/42** (2020.01 - EP US); **A24F 40/485** (2020.01 - EP US); **A24F 40/50** (2020.01 - EP US); **A24F 47/008** (2022.01 - CN); **A24F 15/015** (2020.01 - EP US); **A24F 40/10** (2020.01 - EP US)

Citation (search report)

- [X] CN 206507312 U 20170922 - JOYETECH EUROPE HOLDING GMBH
- [E] CN 107865462 A 20180403 - JOYETECH EUROPE HOLDING GMBH
- See references of WO 2018054388A1

Cited by

EP4245164A4; WO2021196113A1; EP3822180B1

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

DOCDB simple family (publication)

**EP 3510879 A1 20190717**; **EP 3510879 A4 20200819**; CN 107865462 A 20180403; CN 107865462 B 20210601; US 2019208825 A1 20190711; WO 2018054388 A1 20180329

DOCDB simple family (application)

**EP 17852455 A 20170927**; CN 201610847097 A 20160922; CN 2017103701 W 20170927; US 201716336096 A 20170927