

Title (en)
ELECTRONIC CIGARETTE

Title (de)
ELEKTRONISCHE ZIGARETTE

Title (fr)
CIGARETTE ÉLECTRONIQUE

Publication
EP 4374717 A1 20240529 (EN)

Application
EP 23209329 A 20231113

Priority
CN 202223137284 U 20221125

Abstract (en)
An electronic cigarette includes an atomizing body and an atomizing core disposed inside the atomizing body to absorb and atomize e-liquid. The atomizing body includes a first e-liquid chamber, a second e-liquid chamber, and an e-liquid delivery section. The e-liquid delivery section is disposed between the first e-liquid chamber and the second e-liquid chamber. The atomizing core is disposed within the first e-liquid chamber to absorb and atomize the e-liquid stored in the first e-liquid chamber. The e-liquid delivery section includes a sealing component movable between a first position and a second position. The first position is where the sealing component seals the e-liquid delivery section and thus isolates the first e-liquid chamber and the second e-liquid chamber. The second position is where the sealing component is disconnected from the e-liquid delivery section, allowing the first e-liquid chamber and the second e-liquid chamber to communicate with each other.

IPC 8 full level
A24F 15/015 (2020.01); **A24F 40/40** (2020.01); **A24F 40/485** (2020.01)

CPC (source: EP US)
A24F 15/015 (2020.01 - EP); **A24F 40/10** (2020.01 - US); **A24F 40/40** (2020.01 - EP); **A24F 40/42** (2020.01 - US); **A24F 40/46** (2020.01 - US); **A24F 40/485** (2020.01 - EP US)

Citation (search report)
• [XAI] US 2017119060 A1 20170504 - LI YONGHAI [CN], et al
• [XAI] US 2021106062 A1 20210415 - CHEN CHAOXIAN [CN], et al
• [XAI] US 2016007654 A1 20160114 - ZHU XIAOCHUN [CN]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4374717 A1 20240529; CN 219781571 U 20231003; US 2024172794 A1 20240530; WO 2024109370 A1 20240530

DOCDB simple family (application)
EP 23209329 A 20231113; CN 202223137284 U 20221125; CN 2023123911 W 20231011; US 202318388172 A 20231108