

Title (en)

PERSONAL SMOKING CESSATION DEVICE WITH AUTHENTICATION, ENCRYPTION, AND LOCK

Title (de)

PERSÖNLICHE RAUCHERENTWÖHNUNGSVORRICHTUNG MIT AUTHENTIFIZIERUNG, VERSCHLÜSSELUNG UND SPERRE

Title (fr)

DISPOSITIF PERSONNEL DE DÉSACCOUTUMANCE AU TABAC AVEC AUTHENTIFICATION, CRYPTAGE ET VERROUILLAGE

Publication

EP 4051038 A4 20231206 (EN)

Application

EP 20882895 A 20200617

Priority

- US 201962928998 P 20191031
- US 2020038219 W 20200617

Abstract (en)

[origin: WO2021086449A1] A Personal Smoking Cessation (PSC) device, including an e-liquid cartridge, an EEPROM within the e-liquid cartridge, and a host body coupled to the EEPROM. The e-liquid cartridge stores a preselected fluid and a vaporization element to vaporize the preselected fluid. The EEPROM has a universally unique identifier (UUID) stored therein. The EEPROM authenticates a user, the e-liquid cartridge, and the preselected fluid. The EEPROM encrypts and decrypts data. The host body has a female USB-C connector coupled to a first male USB-C connector in the e-liquid cartridge. The male and the female USB-C connectors form positive mechanical and electrical connections between the EEPROM and the host. The host exchanges data with the EEPROM. The host includes an electronic lock. The electronic lock couples to a second female USB-C connector by which the electronic lock reversibly locks the EEPROM. The PSC device includes a Bluetooth radio transceiver coupled to the EEPROM.

IPC 8 full level

A24F 40/53 (2020.01); **A24F 40/65** (2020.01); **A24F 47/00** (2020.01)

CPC (source: EP KR US)

A24F 40/10 (2020.01 - KR US); **A24F 40/42** (2020.01 - KR US); **A24F 40/46** (2020.01 - KR); **A24F 40/53** (2020.01 - EP KR US); **A24F 40/60** (2020.01 - KR US); **A24F 40/65** (2020.01 - EP KR US); **A24F 47/00** (2013.01 - US); **A24F 40/10** (2020.01 - EP); **A24F 40/42** (2020.01 - EP); **A24F 40/90** (2020.01 - KR); **A24F 47/00** (2013.01 - KR)

Citation (search report)

- [XYI] US 2018093054 A1 20180405 - BOWEN ADAM [US], et al
- [YA] US 2016331035 A1 20161117 - CAMERON JOHN [US]
- [A] US 2018110262 A1 20180426 - BATISTA RUI NUNO [CH], et al
- See references of WO 2021086449A1

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)

WO 2021086449 A1 20210506; AU 2020375550 A1 20220519; CA 3159548 A1 20210506; CN 113038845 A 20210625; EP 4051038 A1 20220907; EP 4051038 A4 20231206; KR 20220085801 A 20220622; MX 2022004861 A 20220704; US 2022400771 A1 20221222

DOCDB simple family (application)

US 2020038219 W 20200617; AU 2020375550 A 20200617; CA 3159548 A 20200617; CN 202080003762 A 20200617; EP 20882895 A 20200617; KR 20227016670 A 20200617; MX 2022004861 A 20200617; US 202017772512 A 20200617