

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 DÉACCOUTUMANCE AU TABAC AVEC AUTHENTIFICATION, CRYPTAGE ET VERROUILLAGE

Publication

EP 4051038 A1 20220907 (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 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)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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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