

Title (en)
EMBEDDED ELECTRODES

Title (de)
EINGEBETTETE ELEKTRODEN

Title (fr)
ÉLECTRODES NOYÉES

Publication
EP 4110113 A1 20230104 (EN)

Application
EP 21708220 A 20210225

Priority

- CN 2020077284 W 20200228
- EP 20202410 A 20201016
- EP 2021054768 W 20210225

Abstract (en)

[origin: WO2021170767A1] A capsule for an electronic cigarette has a first end to engage with an electronic cigarette device and a second end having a vapour outlet (28). The capsule further comprises a liquid store (32) to contain liquid to be vaporized and a vaporizer housing (40) to house at least a part of a heating element (36) and a part of a fluid transfer element (38), which delivers liquid from the liquid store to the heating element, the heating element being configured to vaporize the received liquid and generate a vapor. A seal (44) is arranged to hold the vaporizer housing, and a holder (70) is attached to the seal. A pair of electrodes (80) are at least partially embedded within the structure of the holder, and provide an electrical connection between the first end of the capsule and an electronic cigarette device. The heating element (36) and electrodes (80) are in contact at the interface (60) between the seal (44) and the holder (70).

IPC 8 full level
A24F 40/10 (2020.01); **A24F 40/40** (2020.01); **A24F 40/42** (2020.01)

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

Citation (search report)
See references of WO 2021170767A1

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2021170767 A1 20210902; CN 115209756 A 20221018; EP 4110113 A1 20230104; US 2023079988 A1 20230316

DOCDB simple family (application)
EP 2021054768 W 20210225; CN 202180017672 A 20210225; EP 21708220 A 20210225; US 202117802428 A 20210225