

Title (en)
VAPING DEVICE HAVING A DISPOSABLE FILTER MEMBER

Title (de)
VAPING-VORRICHTUNG MIT EINWEGFILTERELEMENT

Title (fr)
DISPOSITIF DE VAPOTAGE DOTÉ D'UN ÉLÉMENT FILTRANT JETABLE

Publication
EP 3799728 A1 20210407 (EN)

Application
EP 19000449 A 20191002

Priority
EP 19000449 A 20191002

Abstract (en)
Disclosed is a vaping device (10) including an upper device unit (16) with an integrally formed mouthpiece (14), a battery unit (24) connectable to the upper device unit (16), the upper device unit (16) and the battery unit (24) conjointly forming an enclosed storage volume (28), a liquid storage pod (18) arranged in the enclosed storage volume (28), and a filter member (12) insertable into the mouthpiece (14) of the upper device unit (16). The liquid storage pod (18) and the at least one substance are stored in separate compartments of the vaping device (10). The liquid storage pod (18) can include a liquid storage chamber (30), a vaping chamber (32), a ceramic coil compartment (34) arranged at an inlet end of the vaping chamber (20), and a connector (36) for coupling the liquid storage pod (18) to the battery unit (24). Further, a method of operating the vaping device (10) is disclosed in which the liquid storage pod (18) is inserted into a battery unit (24) of the vaping device (10) and an upper device unit (16) is slid over the liquid storage pod (18) to enclose the liquid storage pod (18). After releasing at least one substance into a filter member (12) and inserting the filter member (12) into a mouthpiece (14) of the upper device unit (16), the vaping device (10) is activated, preferably by drawing on the filter member (12). The vaporisable liquid is vaporised in the vaping chamber (20) and mixed with the at least one substance within the filter member (12).

IPC 8 full level
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CPC (source: EP)
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Citation (search report)

- [X] US 2015027469 A1 20150129 - TUCKER CHRISTOPHER S [US], et al
- [X] US 2019230990 A1 20190801 - HEPWORTH RICHARD [GB]
- [X] US 2019254344 A1 20190822 - HEPWORTH RICHARD [GB], et al
- [X] CN 207653590 U 20180727 - KIMREE TECH CO LTD

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)
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