

Title (en)
CARTRIDGE AND E-VAPING DEVICE

Title (de)
PATRONE UND E-VAPING-VORRICHTUNG

Title (fr)
CARTOUCHE ET DISPOSITIF ÉLECTRONIQUE DE VAPOTAGE

Publication
EP 3735141 C0 20240703 (EN)

Application
EP 18833670 A 20181231

Priority
• US 201815862823 A 20180105
• EP 2018086901 W 20181231

Abstract (en)
[origin: WO2019134883A2] A cartridge (15) of an e-vaping device (10) includes a housing (50) extending in a longitudinal direction, a reservoir (5) in the housing (50), a heater (115) in the housing (50), and an absorbent material (1960). The reservoir (5) is configured to store a pre-vapor formulation. The heater (115) has a sinusoidal shaped member (1620) translating about an elliptical shape to define a channel therethrough. The absorbent material (1960) at least partially surrounds the sinusoidal shaped member (1620). The absorbent material (1960) is in fluid communication with the reservoir (5).

IPC 8 full level
A24F 47/00 (2020.01)

CPC (source: EP KR US)
A24F 7/00 (2013.01 - KR); **A24F 40/00** (2020.01 - KR); **A24F 40/42** (2020.01 - EP KR US); **A24F 40/44** (2020.01 - KR);
A24F 40/46 (2020.01 - EP KR US); **A24F 40/485** (2020.01 - KR); **H05B 6/36** (2013.01 - KR); **A24F 40/10** (2020.01 - EP KR US)

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

Participating member state (EPC – UP)
AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)
WO 2019134883 A2 20190711; **WO 2019134883 A3 20190815**; BR 112020011222 A2 20210202; CN 111479479 A 20200731;
CN 111479479 B 20231201; EP 3735141 A2 20201111; EP 3735141 B1 20240703; EP 3735141 C0 20240703; JP 2021509810 A 20210408;
JP 7482026 B2 20240513; KR 102653111 B1 20240401; KR 20200104391 A 20200903; RU 2020125854 A 20220207;
RU 2020125854 A3 20220207

DOCDB simple family (application)
EP 2018086901 W 20181231; BR 112020011222 A 20181231; CN 201880080495 A 20181231; EP 18833670 A 20181231;
JP 2020536975 A 20181231; KR 20207022256 A 20181231; RU 2020125854 A 20181231