

Title (en)
CARTRIDGE FOR A VAPORIZER DEVICE

Title (de)
KARTUSCHE FÜR EINE VERDAMPFERVORRICHTUNG

Title (fr)
CARTOUCHE POUR DISPOSITIF VAPORISATEUR

Publication
EP 3664631 B1 20220223 (EN)

Application
EP 19802346 A 20191017

Priority

- US 201862747055 P 20181017
- US 201862747130 P 20181017
- US 201862747099 P 20181017
- US 201962812161 P 20190228
- US 201962812148 P 20190228
- US 201962913135 P 20191009
- US 201962915005 P 20191014
- US 201916653455 A 20191015
- US 2019056788 W 20191017

Abstract (en)
[origin: WO2020081849A2] A vaporization device includes a cartridge for a vaporizer device. For example, the vaporizer cartridge and/or features thereof may improve management of leaks of vaporizable material from the vaporizer cartridge, control of airflow within and/or near the vaporizer cartridge, heating of vaporizable material in the vaporizer cartridge, management of condensate in the vaporizer cartridge, and/or other assembly features of the vaporizer cartridge. Related systems, methods, and articles of manufacture are also described.

IPC 8 full level
A24F 40/10 (2020.01); **A24F 40/46** (2020.01)

CPC (source: EP GB KR)
A24B 15/167 (2016.11 - KR); **A24B 15/32** (2013.01 - KR); **A24F 40/10** (2020.01 - EP GB KR); **A24F 40/42** (2020.01 - EP GB KR); **A24F 40/44** (2020.01 - KR); **A24F 40/46** (2020.01 - EP KR); **A24F 40/48** (2020.01 - GB); **A24F 40/485** (2020.01 - KR)

Citation (opposition)
Opponent : Juul Labs, Inc.

- WO 2018158566 A1 20180907 - NICOVENTURES HOLDINGS LTD [GB]
- US 2011226236 A1 20110922 - BUCHBERGER HELMUT [AT]
- WO 2017028295 A1 20170223 - FONTEM HOLDINGS 1 BV [NL], et al
- WO 2016092261 A1 20160616 - NICOVENTURES HOLDINGS LTD [GB]
- WO 2017059571 A1 20170413 - FONTEM HOLDINGS 1 BV [NL], et al
- EP 3984390 A1 20220420 - SHENZHEN SMOORE TECHNOLOGY LTD [CN]
- BERTHIER JEAN, ET AL.: "Capillarity theoretical basis", OPEN-CHANNEL MICROFLUIDICS: FUNDAMENTALS AND APPLICATIONS, 1 August 2019 (2019-08-01), XP093004643, [retrieved on 20221205]
- ANONYMOUS: "Capillary Action", WIKIPEDIA, 19 September 2018 (2018-09-19), XP093004644, Retrieved from the Internet <URL:https://web.archive.org/avea/20180919170621/https://en.wikipedia.org/wiki/Capillary_action> [retrieved on 20221205]
- ANONYMOUS: "Capillary Action", SCIENCE.JRANK.ORG, 27 September 2018 (2018-09-27), XP093004645, Retrieved from the Internet <URL:https://web.archive.org/web/201809271723391http://science.jrank.org/pages/1182/Capillary-Action.html> [retrieved on 20221205]
- ANONYMOUS: "Capillary Pressure", WIKIPEDIA, 12 March 2017 (2017-03-12), XP093004646, [retrieved on 20221205]
- MITROPOULOS A CH: "Capillarity", JOURNAL OF ENGINEERING SCIENCE AND TECHNOLOGY REVIEW, vol. 2, 1 January 2009 (2009-01-01), pages 28 - 32, XP093004647

Cited by
US11253001B2; WO2022125918A1

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 2020081849 A2 20200423; WO 2020081849 A3 20200723; AU 2019361098 A1 20210520; BE 1026673 A1 20200429; BE 1026673 B1 20210224; CA 3104210 A1 20200423; CN 111134366 A 20200512; CN 212629857 U 20210302; CN 216906817 U 20220708; CN 219330724 U 20230714; CN 220326832 U 20240112; DE 112019005228 T5 20210701; DK 3664631 T3 20220314; EP 3664631 A2 20200617; EP 3664631 B1 20220223; EP 4046505 A1 20220824; ES 2913163 T3 20220531; FR 3087318 A1 20200424; GB 201917180 D0 20200108; GB 202020107 D0 20210203; GB 202112638 D0 20211020; GB 202214056 D0 20221109; GB 2580214 A 20200715; GB 2580214 A8 20200923; GB 2580214 B 20210616; GB 2587742 A 20210407; GB 2587742 B 20211020; GB 2599226 A 20220330; GB 2599226 B 20221109; GB 2608918 A 20230118; GB 2608918 B 20230621; HU E058137 T2 20220728; IE 20190173 A1 20210203; JP 2021510492 A 20210430; JP 2022009153 A 20220114; JP 6963037 B2 20211105; KR 20210076104 A 20210623; MX 2021004364 A 20210604; NL 2024037 A 20200514; NL 2024037 B1 20201130; PH 12021550818 A1 20211004; PL 3664631 T3 20220425; PT 3664631 T 20220328; SG 11202103749Y A 20210528; TW 202103589 A 20210201; TW I827707 B 20240101

DOCDB simple family (application)
US 2019056788 W 20191017; AU 2019361098 A 20191017; BE 201905716 A 20191017; CA 3104210 A 20191017; CN 201910990070 A 20191017; CN 201921746466 U 20191017; CN 202120392208 U 20191017; CN 202123367329 U 20191017; CN 202321659203 U 20191017; DE 112019005228 T 20191017; DK 19802346 T 20191017; EP 19802346 A 20191017; EP 22152475 A 20191017; ES 19802346 T 20191017; FR 1911623 A 20191017; GB 201917180 A 20191017; GB 202020107 A 20191017; GB 202112638 A 20191017; GB 202214056 A 20191017; HU E19802346 A 20191017; IE 20190173 A 20191017; JP 2019566762 A 20191017; JP 2021168957 A 20211014; KR 20217014715 A 20191017; MX 2021004364 A 20191017; NL 2024037 A 20191017;

PH 12021550818 A 20210413; PL 19802346 T 20191017; PT 19802346 T 20191017; SG 11202103749Y A 20191017;
TW 108137560 A 20191017