

Title (en)

AEROSOL GENERATION DEVICE HAVING A THERMAL BRIDGE

Title (de)

AEROSOLERZEUGUNGSVORRICHTUNG MIT WÄRMEBRÜCKE

Title (fr)

DISPOSITIF DE GÉNÉRATION D'AÉROSOL DOTÉ D'UN PONT THERMIQUE

Publication

**EP 3962308 B1 20230308 (EN)**

Application

**EP 20721257 A 20200430**

Priority

- EP 19172656 A 20190503
- EP 2020062054 W 20200430

Abstract (en)

[origin: WO2020225098A1] An aerosol generation device (100) has a heating chamber (102) into which an aerosol substrate is insertable for being heated to generate an aerosol. The heating chamber (102) is housed in a casing (110) and an aperture (103) is provided, through which the aerosol substrate is insertable into the heating chamber (102), e.g. through an open end (114) of the heating chamber (102). Insulation (121) is disposed between the heating chamber (102) and the casing (110) and a thermal bridge (119; 219) is arranged to dissipate heat from the heating chamber (102) to the casing (110), for example in the vicinity of the aperture (103) or from the open end (114) of the heating chamber (102).

IPC 8 full level

**A24F 40/40** (2020.01)

CPC (source: EP KR US)

**A24F 40/40** (2020.01 - EP KR); **A24F 40/42** (2020.01 - US); **A24F 40/46** (2020.01 - KR US); **A24F 40/70** (2020.01 - KR);  
**A24F 40/20** (2020.01 - EP KR)

Citation (opposition)

Opponent : Imperial Tobacco Limited

- EP 3711551 A1 20200923 - NERUDIA LTD [GB]
- WO 2020218885 A2 20201029 - KT & G CORP [KR]
- WO 2017011698 A1 20170119 - DYNAVAP LLC [US]
- US 2014186015 A1 20140703 - BREIWA III GEORGE R [US], et al
- US 2016286864 A1 20161006 - LIN GUANGRONG [CN]
- CN 108835717 A 20181120 - SHENZHEN HANGSEN STAR TECHNOLOGY CO LTD
- CN 207767550 U 20180828 - CHANGZHOU PAITENG ELECTRONIC TECH SERVICE CO LTD
- US 2019208817 A1 20190711 - QIU WEIHUA [CN], et al
- CN 207185923 U 20180406 - CHANGZHOU PAITENG ELECTRONIC TECH SERVICE CO LTD
- WO 2014066730 A1 20140501 - LBS IMP S LLC [US]
- WO 2016092259 A1 20160616 - NICOVENTURES HOLDINGS LTD [GB]
- US 2013042865 A1 20130221 - MONSEES JAMES [US], et al
- WO 2013131763 A1 20130912 - BRITISH AMERICAN TOBACCO CO [GB]
- US 5692291 A 19971202 - DEEVI SEETHARAMA C [US], et al
- US 2014283824 A1 20140925 - WHEELLOCK FRANKLIN [US], et al
- WO 2018016030 A1 20180125 - JAPAN TOBACCO INC [JP]
- EP 3488713 A1 20190529 - JAPAN TOBACCO INC [JP]
- WO 2017194766 A1 20171116 - BRITISH AMERICAN TOBACCO INVESTMENTS LTD [GB]

Opponent : Nicoventures Trading Limited

- US 2016255879 A1 20160908 - PAPROCKI BENJAMIN JOHN [US], et al
- CN 207054792 U 20180302 - SHANGHAI TOBACCO GROUP CO LTD
- WO 2020084759 A1 20200430 - JAPAN TOBACCO INC [JP]
- EP 3871532 A1 20210901 - JAPAN TOBACCO INC [JP]
- WO 2020157813 A1 20200806 - JAPAN TOBACCO INC [JP]
- EP 3918931 A1 20211208 - JAPAN TOBACCO INC [JP]
- WO 2018065793 A1 20180412 - GHOST HERBAL CONCEPTS LTD, et al
- WO 2017194764 A1 20171116 - BRITISH AMERICAN TOBACCO INVESTMENTS LTD [GB]
- WO 2006082571 A1 20060810 - OGLESBY & BUTLER RES & DEV LTD [IE], et al
- CN 205337595 U 20160629 - SHENZHEN MIKE WEIR CO LTD
- CN 204861163 U 20151216 - SHENZHEN SMOORE TECHNOLOGY LTD

Opponent : Philip Morris Products S.A.

- WO 2014147114 A1 20140925 - BRITISH AMERICAN TOBACCO CO [GB]
- WO 2013076098 A2 20130530 - PHILIP MORRIS PROD [CH]
- CN 108552607 A 20180921 - DONGGUAN HAWEI ELECTRONIC TECH CO LTD
- CN 207136243 U 20180327 - CHINA TOBACCO HUNAN IND CO LTD
- CN 205005920 U 20160203 - SHENZHEN MCQUAY CO LTD
- US 9848653 B2 20171226 - LIN GUANGRONG [CN]
- CN 204861163 U 20151216 - SHENZHEN SMOORE TECHNOLOGY LTD
- WO 2018016030 A1 20180125 - JAPAN TOBACCO INC [JP]
- EP 3488713 A1 20190529 - JAPAN TOBACCO INC [JP]
- CN 207383530 U 20180522 - HUIZHOU XINHONGWEI TECH CO LTD
- WO 2013034455 A1 20130314 - BRITISH AMERICAN TOBACCO CO [GB], et al
- CN 208338887 U 20190108 - CHINA TOBACCO HUNAN IND CO LTD
- CN 205962849 U 20170222 - SHENZHEN FIRST UNION TECH CO
- WO 2018235959 A1 20181227 - JAPAN TOBACCO INC [JP]
- CN 207754554 U 20180824 - SHENZHEN FIRST UNION TECH CO
- ANONYMOUS: "Fin (extended surface)", WIKIPEDIA, 14 December 2018 (2018-12-14), XP093146983, Retrieved from the Internet <URL:https://en.wikipedia.org/w/index.php?title=Fin\_(extended\_surface)&oldid=873669624>

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 2020225098 A1 20201112**; CA 3137372 A1 20201112; CN 113747808 A 20211203; EA 202192885 A1 20220316; EP 3962308 A1 20220309; EP 3962308 B1 20230308; EP 4197377 A1 20230621; ES 2945813 T3 20230707; HU E062036 T2 20230928; JP 2022531252 A 20220706; JP 2023053248 A 20230412; JP 2023089259 A 20230627; JP 7228718 B2 20230224; JP 7269458 B2 20230508; KR 20220002980 A 20220107; PL 3962308 T3 20230710; PT 3962308 T 20230525; TW 202041157 A 20201116; TW I740480 B 20210921; US 2022202088 A1 20220630

DOCDB simple family (application)

**EP 2020062054 W 20200430**; CA 3137372 A 20200430; CN 202080031813 A 20200430; EA 202192885 A 20200430; EP 20721257 A 20200430; EP 23155074 A 20200430; ES 20721257 T 20200430; HU E20721257 A 20200430; JP 2021564577 A 20200430; JP 2023019820 A 20230213; JP 2023069789 A 20230421; KR 20217037726 A 20200430; PL 20721257 T 20200430; PT 20721257 T 20200430; TW 109114501 A 20200430; US 202017601777 A 20200430