Title (en)

AEROSOL GENERATION DEVICE HAVING A THERMAL BRIDGE

Title (de)

AEROSOLERZEUGUNGSVORRICHTUNG MIT WÄRMEBRÜCKE

Title (fr)

DISPOSITIF DE GÉNÉRATION D'AÉROSOL AYANT UN PONT THERMIQUE

Publication

EP 4197377 A1 20230621 (EN)

Application

EP 23155074 A 20200430

Priority

- EP 19172656 A 20190503
- EP 20721257 A 20200430
- EP 2020062054 W 20200430

Abstract (en)

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 47/00 (2020.01); **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 (search report)

- [A] EP 2975951 A1 20160127 - BRITISH AMERICAN TOBACCO CO [GB]
- [A] EP 2782463 A2 20141001 - PHILIP MORRIS PRODUCTS SA [CH]
- [A] CN 108552607 A 20180921 - DONGGUAN HAWEI ELECTRONIC 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

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 2024164252 A 20241126; JP 7228718 B2 20230224; JP 7269458 B2 20230508; JP 7549700 B2 20240911; KR 20220002980 A 20220107; PL 3962308 T3 20230710; PT 3962308 T 20230525; TW 202041157 A 20201116; TW I740480 B 20210921; UA 128964 C2 20241211; 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; JP 2024148466 A 20240830; KR 20217037726 A 20200430; PL 20721257 T 20200430; PT 20721257 T 20200430; TW 109114501 A 20200430; UA A202106509 A 20200430; US 202017601777 A 20200430