

Title (en)
HEATING DEVICE AND HEATING SYSTEM

Title (de)
HEIZVORRICHTUNG UND HEIZSYSTEM

Title (fr)
DISPOSITIF DE CHAUFFAGE ET SYSTÈME DE CHAUFFAGE

Publication
EP 4176738 A4 20240320 (EN)

Application
EP 20943597 A 20200703

Priority
JP 2020026178 W 20200703

Abstract (en)
[origin: EP4176738A1] A heating device and a heating system having a novel structure are provided. A heating device that can heat a smokable material included in a consumable is provided. The heating device includes: an air inlet; a housing; a heating element that heats the smokable material from inside; a chamber which is located inside the housing and which has a side wall surrounding a lateral surface of the smokable material; a first gap between an inner circumferential surface of the side wall of the chamber and a lateral surface of the consumable accommodated in the chamber; and a second gap between the housing and an outer circumferential surface of the side wall of the chamber. The thickness of the first gap is greater than the thickness of the second gap.

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

CPC (source: EP)
A24B 3/14 (2013.01); **A24F 40/46** (2020.01); **A24F 40/485** (2020.01); **A24F 40/20** (2020.01)

Citation (search report)

- [A] WO 2019100229 A1 20190531 - HUIZHOU KIMREE TECHNOLOGY CO LTD SHENZHEN BRANCH [CN]
- [A] CN 110973706 A 20200410 - SHENZHEN SMOORE TECHNOLOGY LTD
- [A] US 2018295881 A1 20181018 - MIRONOV OLEG [CH], et al
- See also references of WO 2022003946A1

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)
EP 4176738 A1 20230510; EP 4176738 A4 20240320; JP 2024012645 A 20240130; JP 2024038468 A 20240319; JP 7417006 B1 20240117; JP 7427787 B2 20240205; JP WO2022003946 A1 20220106; WO 2022003946 A1 20220106

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EP 20943597 A 20200703; JP 2020026178 W 20200703; JP 2022532991 A 20200703; JP 2023195665 A 20231117; JP 2024008414 A 20240124