

Title (en)

SIDESTREAM SMOKE REMOVAL DEVICE AND CONTROL METHOD THEREFOR

Title (de)

SEITENSTROMRAUCHABZUGSVORRICHTUNG UND STEUERVERFAHREN DAFÜR

Title (fr)

DISPOSITIF D'ÉLIMINATION DE FUMÉE SECONDAIRE ET SON PROCÉDÉ DE COMMANDE

Publication

**EP 4094595 A1 20221130 (EN)**

Application

**EP 21886557 A 20210915**

Priority

- KR 20200140215 A 20201027
- KR 2021012553 W 20210915

Abstract (en)

Provided herein are a sidestream smoke removal device and a control method thereof. The sidestream smoke removal device according to some embodiments of the present disclosure includes a housing in which a smoking space is formed, an article insertion portion which is disposed at one end of the housing and forms an opening for insertion of a smoking article into the smoking space, an ignition portion which is configured to ignite the smoking article inserted into the smoking space, a sidestream smoke processing portion which is configured to process sidestream smoke generated from the smoking article inserted into the smoking space, and a cutting portion. The cutting portion may provide a cutting function for the smoking article inserted into the smoking space and thus ensure a convenient, safe extinguishing function.

IPC 8 full level

**A24F 13/04** (2006.01); **A24F 13/06** (2006.01); **A24F 13/08** (2006.01); **A24F 13/14** (2006.01); **A24F 13/22** (2006.01); **A24F 13/24** (2006.01); **A24F 13/28** (2006.01); **A24F 40/485** (2020.01); **A24F 40/50** (2020.01); **A24F 40/51** (2020.01)

CPC (source: EP KR US)

**A24F 13/00** (2013.01 - EP); **A24F 13/04** (2013.01 - KR); **A24F 13/06** (2013.01 - EP KR US); **A24F 13/08** (2013.01 - KR); **A24F 13/12** (2013.01 - US); **A24F 13/14** (2013.01 - KR); **A24F 13/16** (2013.01 - US); **A24F 13/20** (2013.01 - EP US); **A24F 13/22** (2013.01 - KR); **A24F 13/24** (2013.01 - KR); **A24F 13/28** (2013.01 - KR); **A24F 40/40** (2020.01 - KR); **A24F 40/46** (2020.01 - KR); **A24F 40/485** (2020.01 - KR); **A24F 40/50** (2020.01 - KR); **A24F 40/51** (2020.01 - KR); **A24F 40/57** (2020.01 - KR); **A24F 13/22** (2013.01 - EP)

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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4094595 A1 20221130**; **EP 4094595 A4 20231025**; CN 115209749 A 20221018; JP 2023512651 A 20230328; JP 7513351 B2 20240709; KR 102571395 B1 20230828; KR 20220056283 A 20220506; US 2023145757 A1 20230511; WO 2022092563 A1 20220505

DOCDB simple family (application)

**EP 21886557 A 20210915**; CN 202180019071 A 20210915; JP 2022545149 A 20210915; KR 20200140215 A 20201027; KR 2021012553 W 20210915; US 202117918352 A 20210915