

Title (en)
SIDESTREAM SMOKE REMOVAL DEVICE AND METHOD FOR CONTROLLING SAME

Title (de)
SEITENSTROMRAUCHABZUGSVORRICHTUNG UND STEUERVERFAHREN DAFÜR

Title (fr)
DISPOSITIF D'ÉLIMINATION DE FUMÉE SECONDAIRE ET SON PROCÉDÉ DE COMMANDE

Publication
EP 4011222 B1 20240410 (EN)

Application
EP 21844939 A 20210915

Priority
• KR 20200140213 A 20201027
• KR 2021012548 W 20210915

Abstract (en)
[origin: US2023051032A1] 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 elastic support portion which is configured to support the smoking article inserted through the article insertion portion, an ignition portion which is configured to ignite the smoking article inserted into the smoking space, and a sidestream smoke processing portion which is configured to process sidestream smoke generated from the smoking article inserted into the smoking space. By elastically supporting an upstream end of the smoking article, the elastic support portion may improve support stability and ignition stability for the smoking article.

IPC 8 full level
A24F 13/04 (2006.01); **A24F 13/00** (2006.01); **A24F 13/06** (2006.01); **A24F 13/08** (2006.01); **A24F 13/14** (2006.01); **A24F 13/22** (2006.01)

CPC (source: EP KR US)
A24F 13/00 (2013.01 - EP US); **A24F 13/04** (2013.01 - KR); **A24F 13/06** (2013.01 - EP KR US); **A24F 13/08** (2013.01 - KR US); **A24F 13/14** (2013.01 - KR); **A24F 13/20** (2013.01 - US); **A24F 13/22** (2013.01 - KR US); **A24F 13/26** (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 13/08** (2013.01 - EP); **A24F 13/20** (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

DOCDB simple family (publication)
US 2023051032 A1 20230216; CN 115038345 A 20220909; EP 4011222 A1 20220615; EP 4011222 A4 20221130; EP 4011222 B1 20240410; JP 2023505624 A 20230210; JP 7355212 B2 20231003; KR 102547779 B1 20230626; KR 20220056281 A 20220506; WO 2022092561 A1 20220505

DOCDB simple family (application)
US 202117789936 A 20210915; CN 202180012121 A 20210915; EP 21844939 A 20210915; JP 2022502888 A 20210915; KR 20200140213 A 20201027; KR 2021012548 W 20210915