Title (en)

AEROSOL GENERATION DEVICE AND CONSUMABLE

Title (de)

AEROSOLERZEUGUNGSVORRICHTUNG UND VERBRAUCHSMATERIAL

Title (fr)

DISPOSITIF DE GÉNÉRATION D'AÉROSOL ET PRODUIT CONSOMMABLE

Publication

EP 4181703 A1 20230524 (EN)

Application

EP 21742429 A 20210716

Priority

- EP 20186585 A 20200717
- EP 2021069991 W 20210716

Abstract (en)

[origin: WO2022013433A1] An aerosol generation system comprising a consumable (160) and an aerosol generation device (100) is provided. The consumable comprises a housing (169) configured to contain an aerosol generating material, the housing having a first surface (162a) configured to engage with the aerosol generation device. The first surface comprises a breakable material (165) configured to be broken upon interaction with piercing elements (116) of the aerosol generation device, and a protective barrier (166) configured to be resistant to the piercing elements. The breakable material and the protective barrier are arranged such that the protective barrier defines breakable regions (167) in the first surface. The aerosol generation device comprises piercing elements arranged to pierce cooperating breakable regions in the first surface of the consumable, and to be inhibited from piercing a protective barrier in the first surface of the consumable.

IPC 8 full level

A24F 40/40 (2020.01); **A24F 40/42** (2020.01); **A24F 40/49** (2020.01)

CPC (source: EP US)

A24F 40/40 (2020.01 - EP); **A24F 40/42** (2020.01 - EP US); **A24F 40/46** (2020.01 - US); **A24F 40/485** (2020.01 - US); **A24F 40/49** (2020.01 - EP US); A24F 40/10 (2020.01 - EP); A24F 40/20 (2020.01 - EP)

Citation (search report)

See references of WO 2022013433A1

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)

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DOCDB simple family (application)

EP 2021069991 W 20210716; CN 202180060709 A 20210716; EP 21742429 A 20210716; JP 2022578758 A 20210716; KR 20237003461 A 20210716; US 202118005755 A 20210716