

Title (en)

AEROSOL-GENERATING SYSTEM AND AEROSOL-GENERATING ARTICLE COMPRISING AN AEROSOL-FORMING SUBSTRATE

Title (de)

AEROSOLERZEUGUNGSSYSTEM UND AEROSOLERZEUGUNGSARTIKEL MIT EINEM AEROSOLBILDENDEN SUBSTRAT

Title (fr)

SYSTÈME DE GÉNÉRATION D'AÉROSOL ET ARTICLE DE GÉNÉRATION D'AÉROSOL COMPRENANT UN SUBSTRAT DE FORMATION D'AÉROSOL

Publication

EP 3930501 A1 20220105 (EN)

Application

EP 20706323 A 20200227

Priority

- EP 19160139 A 20190228
- EP 2020055206 W 20200227

Abstract (en)

[origin: WO2020174073A1] An aerosol-generating system (40) comprising an aerosol-generating article (10) and an aerosol-generating device (30). The article (10) has an upstream end (11) and a downstream end (12), defines a longitudinal direction and comprises an upstream segment and a downstream segment (14). The upstream segment comprises an aerosol-forming substrate (13) having a substrate outer surface (17) with a substrate outer diameter (D2). The downstream segment (14) has a downstream segment outer diameter (D1) greater than the substrate outer diameter (D2). The device (30) comprises a device cavity inner surface (33) having a device cavity inner diameter (D4), the device cavity (32) being configured to receive at least the aerosol-forming substrate (13). The device (30) comprises at least one heating element (31). When the aerosol-forming substrate (13) is received in the device cavity (32), an airflow passage (35) is defined between the substrate outer surface (17) and the device cavity inner surface (33).

IPC 8 full level

A24F 40/40 (2020.01)

CPC (source: EP KR US)

A24D 1/045 (2013.01 - KR); **A24D 1/20** (2020.01 - EP KR US); **A24D 3/04** (2013.01 - KR); **A24D 3/17** (2020.01 - US); **A24F 40/20** (2020.01 - US); **A24F 40/40** (2020.01 - EP KR); **A24F 40/46** (2020.01 - KR); **A24F 40/485** (2020.01 - EP KR); **A24F 40/20** (2020.01 - EP KR); **A24F 40/30** (2020.01 - KR); **A24F 40/48** (2020.01 - EP)

Citation (search report)

See references of WO 2020174073A1

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

DOCDB simple family (publication)

WO 2020174073 A1 20200903; CN 113382644 A 20210910; EP 3930501 A1 20220105; EP 3930501 B1 20230405; JP 2022521676 A 20220412; KR 20210132048 A 20211103; US 2022192252 A1 20220623

DOCDB simple family (application)

EP 2020055206 W 20200227; CN 202080012439 A 20200227; EP 20706323 A 20200227; JP 2021545462 A 20200227; KR 20217026857 A 20200227; US 202017432272 A 20200227