Title (en)

AEROSOL-GENERATING ARTICLE COMPRISING A MOUTH-END COOLING ELEMENT

Title (de)

AEROSOLERZEUGUNGSARTIKEL MIT EINEM KÜHLELEMENT FÜR DAS MUNDENDE

Title (fr)

ARTICLE DE GÉNÉRATION D'AÉROSOL COMPRENANT UN ÉLÉMENT DE REFROIDISSEMENT D'EMBOUCHURE

Publication

EP 3979849 A1 20220413 (EN)

Application

EP 20728044 A 20200527

Priority

- EP 19178571 A 20190605
- EP 2020064754 W 20200527

Abstract (en)

[origin: WO2020245009A1] There is provided an aerosol-generating article (10) for producing an aerosol upon heating, the aerosol-generating article comprising a rod of aerosol-generating substrate (12); a hollow tubular support element (14) positioned immediately downstream of the rod of aerosol-generating substrate; and an aerosol-cooling element (16) downstream of the hollow tubular support element. The aerosol-cooling element (16) extends all the way to a downstream end of the aerosol-generating article, and comprises a hollow tubular segment having a transverse wall (26) at a location between an upstream end and a downstream end of the hollow tubular segment. Thus, the hollow tubular segment defines a first cavity (28) upstream of the transverse wall and a second cavity (30) downstream of the transverse wall (26). The transverse wall comprises one or more openings (32) establishing a fluid communication between the first cavity (28) and the second cavity (30).

IPC 8 full level

A24D 3/04 (2006.01); **A24D 1/20** (2020.01)

CPC (source: EP KR US)

A24C 5/1885 (2013.01 - KR); **A24D 1/042** (2013.01 - US); **A24D 1/20** (2020.01 - EP KR US); **A24D 3/0279** (2013.01 - KR); **A24D 3/045** (2013.01 - EP KR); **A24D 3/18** (2013.01 - US)

Citation (search report)

See references of WO 2020245009A1

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 2020245009 A1 20201210; BR 112021021371 A2 20220215; CN 113811203 A 20211217; EP 3979849 A1 20220413; JP 2022535829 A 20220810; KR 20220017888 A 20220214; US 2022192251 A1 20220623

DOCDB simple family (application)

EP 2020064754 W 20200527; BR 112021021371 A 20200527; CN 202080035105 A 20200527; EP 20728044 A 20200527; JP 2021571774 A 20200527; KR 20217035149 A 20200527; US 202017615279 A 20200527