

Title (en)

AEROSOL-GENERATING ARTICLE HAVING WRAPPER WITH HEAT CONTROL ELEMENT

Title (de)

AEROSOLERZEUGENDER ARTIKEL MIT UMHÜLLUNG MIT WÄRMEREGULIERUNGSELEMENT

Title (fr)

ARTICLE DE GÉNÉRATION D'AÉROSOL AYANT UNE ENVELOPPE DOTÉE D'UN ÉLÉMENT DE RÉGULATION DE CHALEUR

Publication

**EP 3772251 A1 20210210 (EN)**

Application

**EP 19722512 A 20190409**

Priority

- EP 18166415 A 20180409
- EP 2019058984 W 20190409

Abstract (en)

[origin: WO2019197417A1] A heated aerosol-generating article (10)(110)(210) for use with an aerosol-generating device (310) having a heating element (320), the heated aerosol-generating article (10)(110)(210) comprising: a rod of aerosol-generating substrate (20); and a wrapper (60)(160)(260) at least partially circumscribing the rod of aerosol-generating substrate (20), the wrapper (60)(160)(260) comprising a heat control element (62)(162)(262) on at least one surface. The heat control element (62)(162)(262) comprises one or more circumferential bands (66)(166)(266) of a heat-shrinkable material, wherein upon heating of the heat-shrinkable material to a temperature above the shrink temperature thereof, the internal radius of each of the one or more circumferential bands of the heat-shrinkable material is reduced by at least 20 percent compared to the internal radius of the respective circumferential band prior to heating. As a result, the portion of the aerosol-generating substrate (20) underlying the heat control element (62)(162)(262) is deformed such that the resistance to draw (RTD) of the aerosol-generating article(10)(110)(210)is increased. The shrink temperature is between about 180 degrees Celsius and about 300 degrees Celsius.

IPC 8 full level

**A24D 1/02** (2006.01); **A24D 1/20** (2020.01)

CPC (source: EP KR US)

**A24D 1/02** (2013.01 - KR US); **A24D 1/025** (2013.01 - EP US); **A24D 1/20** (2020.01 - EP KR US); **A24F 40/20** (2020.01 - US); **A24F 40/46** (2020.01 - KR); **A24F 40/53** (2020.01 - US); **A24F 40/57** (2020.01 - KR); **D21H 5/16** (2013.01 - KR); **D21H 19/20** (2013.01 - KR); **A24F 40/20** (2020.01 - EP); **A24F 40/46** (2020.01 - EP)

Citation (search report)

See references of WO 2019197417A1

Cited by

WO2024149698A1; WO2024089280A1; WO2024089281A1

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2019197417 A1 20191017**; BR 112020019013 A2 20201229; CN 111954471 A 20201117; EP 3772251 A1 20210210; EP 3772251 B1 20220914; JP 2021520791 A 20210826; JP 7326323 B2 20230815; KR 20200136440 A 20201207; US 2021145044 A1 20210520

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