

Title (en)

COOLING SEGMENT FOR AN AEROSOL GENERATING ARTICLE

Title (de)

KÜHLSEGMENT FÜR EINEN AEROSOLERZEUGENDEN ARTIKEL

Title (fr)

SEGMENT DE REFROIDISSEMENT POUR UN ARTICLE DE GÉNÉRATION D'AÉROSOL

Publication

**EP 4245156 A1 20230920 (EN)**

Application

**EP 22162917 A 20220318**

Priority

EP 22162917 A 20220318

Abstract (en)

This invention relates to a cooling segment for an aerosol-generating article comprising: a multilayer paper tube (6, 7, 8), comprising at least: a first paper tube layer (6), a second paper tube layer (8), surrounding coaxially said first paper tube layer (6), wherein, said cooling segment also comprises: a glue layer (7): sandwiched between said first paper tube layer (6) and second paper tube layer (8), made of: at least one first glued zone (1, 11, 12), with a glue amount per surface above a first threshold T1, extending along a first longitudinal portion (lp11, lp12) of said cooling segment (9), at least one lowly glued zone (2), with a glue amount per surface below a second threshold T2 which can be as low as zero, with T2 < T1, extending along a second longitudinal portion (lp2) of said cooling segment (9), different from said first longitudinal portion (lp11, lp12) of said cooling segment (9), having one or more hole(s) (3) made by one or more laser perforation(s).

IPC 8 full level

**A24C 5/46** (2006.01); **A24C 5/00** (2020.01); **A24C 5/01** (2020.01); **A24D 1/20** (2020.01)

CPC (source: EP)

**A24C 5/007** (2013.01); **A24C 5/01** (2020.01); **A24C 5/46** (2013.01); **A24D 1/20** (2020.01)

Citation (search report)

- [XII] EP 3636082 A2 20200415 - GD SPA [IT]
- [XAI] WO 2013045911 A1 20130404 - BRITISH AMERICAN TOBACCO CO [GB]
- [A] EP 3861871 A1 20210811 - JAPAN TOBACCO INC [JP]

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)

**EP 4245156 A1 20230920**

DOCDB simple family (application)

**EP 22162917 A 20220318**