

Title (en)

AEROSOL GENERATED PRODUCT, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF

Title (de)

AEROSOLERZEUGTES PRODUKT, VERFAHREN ZU SEINER HERSTELLUNG UND SEINE ANWENDUNG

Title (fr)

PRODUIT GÉNÉRÉ SOUS FORME D'AÉROSOL, PROCÉDÉ DE PRÉPARATION ASSOCIÉ ET APPLICATION ASSOCIÉE

Publication

EP 3932230 A4 20221214 (EN)

Application

EP 19918344 A 20191101

Priority

- CN 201910159181 A 20190301
- CN 2019115101 W 20191101

Abstract (en)

[origin: EP3932230A1] An aerosol generating product comprising an aerosol atomizing element and a smoke cooling element, and the smoke cooling element is located downstream of the flow direction of the smoke generated by the aerosol atomizing element. Furthermore, a filter element is located downstream of the flow direction of the smoke through which the smoke cooling element passes; or a hollow element located upstream of the flow direction of the smoke through which the smoke cooling element passes. The smoke cooling element is composed of particles, and the structure comprises a gap for smoke of a cigarette to pass through. The gap through which cigarette smoke can pass is a three-dimensional and non-linear gap. The structure is in the form of rods. When the smoke aerosol passes through the cooling element, ensuring the smoke to pass through smoothly. It has a large area for the smoke cooling and maintains a low pressure drop at the same time because of the through holes arranged in the porous material, so as to ensure enough flux of smoke and enhance the experience of cigarette consumers.

IPC 8 full level

A24D 1/20 (2020.01); **A24D 3/14** (2006.01); **A24D 3/16** (2006.01); **A24D 3/04** (2006.01)

CPC (source: EP KR US)

A24D 1/20 (2020.01 - EP US); **A24D 3/0216** (2013.01 - KR); **A24D 3/0225** (2013.01 - KR); **A24D 3/0279** (2013.01 - KR); **A24D 3/0287** (2013.01 - KR); **A24D 3/04** (2013.01 - KR); **A24D 3/061** (2013.01 - KR); **A24D 3/062** (2013.01 - US); **A24D 3/14** (2013.01 - EP KR); **A24D 3/16** (2013.01 - EP KR); **A24D 3/163** (2013.01 - EP); **A24D 3/166** (2013.01 - EP); **A24D 3/17** (2020.01 - US); **A24D 1/20** (2020.01 - KR); **A24D 3/04** (2013.01 - EP)

Citation (search report)

- [X] US 2018310624 A1 20181101 - PARKER KEVIN [GB], et al
- [X] US 2017311642 A1 20171102 - CAO JIANGUO [CN], et al
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- See also references of WO 2020177361A1

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

DOCDB simple family (publication)

EP 3932230 A1 20220105; **EP 3932230 A4 20221214**; CN 109691697 A 20190430; CN 109691697 B 20210730; JP 2022522309 A 20220415; KR 20210127243 A 20211021; US 2022053822 A1 20220224; WO 2020177361 A1 20200910

DOCDB simple family (application)

EP 19918344 A 20191101; CN 201910159181 A 20190301; CN 2019115101 W 20191101; JP 2021551885 A 20191101; KR 20217030044 A 20191101; US 202117462677 A 20210831