

Title (en)

CIGARETTE FILLING PACKED BODY AND ELECTRONIC CIGARETTE CARTRIDGE

Title (de)

VERPACKTER ZIGARETTENFÜLLKÖRPER UND KARTUSCHE FÜR ELEKTRONISCHE ZIGARETTE

Title (fr)

CORPS EMBALLÉ DE GARNITURE DE CIGARETTE ET CARTOUCHE DE CIGARETTE ÉLECTRONIQUE

Publication

EP 3616537 A4 20210127 (EN)

Application

EP 18889964 A 20180704

Priority

- JP 2018125776 A 20180702
- JP 2018025327 W 20180704

Abstract (en)

[origin: EP3616537A1] A tobacco filler assembly and an electronic cigarette cartridge, which improve the fluidity of the air flow inside the tobacco filler assembly while securing a certain filling rate or more for the tobacco filler assembly as a whole and not allow a tobacco filler to easily drop out, are provided. A tobacco filler assembly is obtained by accumulating long tobacco fillers 20 in a bundle and whose outer peripheral portion is wound with a sheet-shaped package 25, in which each tobacco filler 20 is formed such that a dimension in a long side direction is longer than a dimension in a short side direction in a cross section orthogonal to a length direction, and a long side direction of a tobacco filler 20 of an outermost peripheral portion in contact with the package 25 is directed in a direction approximately along a circumferential direction or the long side direction of the tobacco filler is directed in a direction other than the direction approximately along the circumferential direction, and the number of tobacco fillers 20 whose long side directions are directed in the direction approximately along the circumferential direction is larger than the number of tobacco fillers 20 whose long side directions are directed in the direction other than the direction approximately along the circumferential direction.

IPC 8 full level

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Citation (search report)

- [A] JP 3212228 U 20170831 & EP 3656227 A1 20200527 - TOA IND CO LTD [JP]
- [A] US 5025814 A 19910625 - RAKER MARK L [US]
- [A] GB 1234786 A 19710609 - GALLAHER LTD [IE]
- See references of WO 2020008552A1

Cited by

WO2023007440A1; WO2022002875A1

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)

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DOCDB simple family (application)

EP 18889964 A 20180704; CN 201910571274 A 20190628; CN 202011208374 A 20190628; EP 24162619 A 20180704; JP 2018025327 W 20180704; JP 2018125776 A 20180702; KR 20197015332 A 20180704; KR 20207004598 A 20180704; RU 2019126778 A 20180704; RU 2020113135 A 20180704; TW 108123073 A 20190701; TW 109106627 A 20190701; US 201816758766 A 20180704; US 202418421566 A 20240124