

Title (en)

APPLICATION OF SPHERICAL CARBON IN FLUE GAS ADSORPTION OF HEAT-NOT-BURN TOBACCO PRODUCT

Title (de)

VERWENDUNG VON KUGELFÖRMIGEM KOHLENSTOFF BEI DER RAUCHGASADSORPTION EINES TABAKPRODUKTS OHNE VERBRENNUNG

Title (fr)

APPLICATION DE CARBONE SPHÉRIQUE DANS L'ADSORPTION DE GAZ DE COMBUSTION D'UN PRODUIT À BASE DE TABAC À CHAUFFAGE SANS COMBUSTION

Publication

**EP 4260715 A1 20231018 (EN)**

Application

**EP 21902746 A 20211213**

Priority

- CN 202011453514 A 20201211
- CN 2021137474 W 20211213

Abstract (en)

Use of spherical carbon in flue gas adsorption of a heat-not-burn tobacco product. The spherical carbon of a particular structural parameter, as well as doping it in a cartridge, is particularly advantageous for improving the content of harmful substances in flue gas due to the excellent selectivity and specific adsorption effect of a large number of carbonyl compounds produced during the heating of the heat-not-burn tobacco product, and even undesirable adsorption of nicotine is significantly improved.

IPC 8 full level

**A24F 13/06** (2006.01); **A24D 3/04** (2006.01)

CPC (source: CN EP KR)

**A24B 13/02** (2013.01 - KR); **A24B 15/12** (2013.01 - KR); **A24B 15/28** (2013.01 - KR); **A24B 15/32** (2013.01 - KR); **A24D 1/20** (2020.01 - CN EP KR); **A24D 1/22** (2020.01 - KR); **A24D 3/0279** (2013.01 - KR); **A24D 3/0287** (2013.01 - KR); **A24D 3/04** (2013.01 - CN EP KR); **A24D 3/043** (2013.01 - KR); **A24D 3/048** (2013.01 - CN KR); **A24D 3/063** (2013.01 - CN KR); **A24D 3/067** (2013.01 - CN EP KR); **A24D 3/163** (2013.01 - CN EP KR); **A24D 3/17** (2020.01 - CN); **A24F 40/20** (2020.01 - CN); **A24F 40/40** (2020.01 - CN); **A24F 42/10** (2020.01 - CN); **A24F 47/00** (2013.01 - CN); **A24F 40/20** (2020.01 - KR)

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 4260715 A1 20231018**; CN 114680373 A 20220701; JP 2023551883 A 20231213; KR 20230097126 A 20230630; WO 2022122041 A1 20220616

DOCDB simple family (application)

**EP 21902746 A 20211213**; CN 202111523176 A 20211213; CN 2021137474 W 20211213; JP 2023533359 A 20211213; KR 20237018162 A 20211213