

Title (en)
TOW BAND FOR SMOKING ARTICLE, FILTER FOR SMOKING ARTICLE, SMOKING ARTICLE, AND CARTRIDGE FOR SMOKING ARTICLE

Title (de)
ZUGBAND FÜR RAUCHARTIKEL, FILTER FÜR RAUCHARTIKEL, RAUCHARTIKEL UND PATRONE FÜR RAUCHARTIKEL

Title (fr)
BANDE DE MÈCHE POUR ARTICLE DE FUMEUR, FILTRE POUR ARTICLE DE FUMEUR, ARTICLE DE FUMEUR ET CARTOUCHE POUR ARTICLE DE FUMEUR

Publication
EP 4085770 A4 20230118 (EN)

Application
EP 20966187 A 20201222

Priority
JP 2020047849 W 20201222

Abstract (en)
[origin: EP4085770A1] A band for a smoking article includes crimped cellulose acetate fibers. The content of titanium oxide is set to a value in a range from 0 wt.% to 0.01 wt.%. The crimp ratio I (%) calculated by Equation 1 satisfies the relationship of Equation 2, $\text{CrimpratioI}\% = L1 - L0 / L0 \times 100$ where L0 is a length of the band in a case where a load of 250 g is applied to the band having a length of 250 mm in a direction in which crimp of the cellulose acetate fibers is stretched, and L1 is a length of the band in a case where a load of 2500 g is applied to the band having the length of 250 mm in the direction, $-11.7 + 1.2 \times \text{FD} + 0.00083 \times \text{TD} < \text{I}\% < 10.0 + 1.2 \times \text{FD} + 0.00083 \times \text{TD}$.

IPC 8 full level
A24D 3/10 (2006.01)

CPC (source: EP KR)
A24D 1/045 (2013.01 - KR); **A24D 1/20** (2020.01 - EP KR); **A24D 3/0204** (2013.01 - EP KR); **A24D 3/0279** (2013.01 - KR); **A24D 3/04** (2013.01 - EP KR); **A24D 3/043** (2013.01 - KR); **A24D 3/063** (2013.01 - EP KR); **A24D 3/10** (2013.01 - EP KR); **A24D 3/16** (2013.01 - EP KR)

Citation (search report)

- [Y] JP 2019015009 A 20190131 - DAICEL CORP
- [Y] JP 2020188811 A 20201126 - TOA IND COLTD
- [A] WO 2017021994 A1 20170209 - DAICEL CORP [JP]
- [A] WO 2016084120 A1 20160602 - DAICEL CORP [JP]
- [A] WO 2013067511 A2 20130510 - CELANESE ACETATE LLC [US]
- [A] EP 3715509 A1 20200930 - DAICEL CORP [JP]
- See references of WO 2022137322A1

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 4085770 A1 20221109; EP 4085770 A4 20230118; EP 4085770 B1 20240320; EP 4085770 C0 20240320; KR 20230116901 A 20230804; PL 4085770 T3 20240513; WO 2022137322 A1 20220630

DOCDB simple family (application)
EP 20966187 A 20201222; JP 2020047849 W 20201222; KR 20237022455 A 20201222; PL 20966187 T 20201222