

Title (en)

WRAP PAPER WITH IMPROVED FLAME RESISTANCE

Title (de)

UMHÜLLUNGSPAPIER MIT VERBESSERTER BRANDHEMMUNG

Title (fr)

PAPIER D'EMBALLAGE PRÉSENTANT UNE RÉSISTANCE AMÉLIORÉE À LA PROPAGATION DES FLAMMES

Publication

EP 4176122 A1 20230510 (DE)

Application

EP 21722202 A 20210428

Priority

- DE 102020117368 A 20200701
- DE 102020128133 A 20201026
- DE 102020129301 A 20201106
- EP 2021061140 W 20210428

Abstract (en)

[origin: WO2022002459A1] The invention relates to a wrap paper which is suitable for use on aerosol-generating articles and comprises pulp fibres and one or more polyphosphates, the pulp fibres constituting at least 55% and at most 95% of the mass of the wrap paper and the polyphosphates together being present in a concentration of at least 5% and at most 30% relative to the mass of the wrap paper. The polyphosphates are compounds with the empirical formula $Mn+2PnO_{3n+1}$ or $Mn[H_2PnO_{3n+1}]$, where n is at least 2 and at most 100 and M is a monovalent metal or ammonium (NH_4^+).

IPC 8 full level

D21H 17/10 (2006.01); **A24D 1/02** (2006.01); **D21H 27/00** (2006.01)

CPC (source: EP KR US)

A24D 1/02 (2013.01 - EP KR US); **A24D 1/20** (2020.01 - US); **D21H 17/10** (2013.01 - EP KR US); **D21H 27/00** (2013.01 - EP KR)

Citation (search report)

See references of WO 2022002459A1

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)

DE 102020129301 A1 20220105; BR 112022026281 A2 20230117; CN 115768945 A 20230307; EP 4176122 A1 20230510; JP 2023532250 A 20230727; KR 20230028420 A 20230228; US 2023337721 A1 20231026; WO 2022002459 A1 20220106

DOCDB simple family (application)

DE 102020129301 A 20201106; BR 112022026281 A 20210428; CN 202180045101 A 20210428; EP 2021061140 W 20210428; EP 21722202 A 20210428; JP 2022579853 A 20210428; KR 20237002080 A 20210428; US 202118003074 A 20210428