

Title (en)

ACRYLATE AND NON-ACRYLATE BASED CHEMICAL COMPOSITIONS FOR SELECTIVELY COATING FIBER-BASED FOOD CONTAINERS

Title (de)

ACRYLAT- UND NICHTACRYLATBASIERTE CHEMISCHE ZUSAMMENSETZUNGEN ZUR SELEKTIVEN BESCHICHTUNG FASERBASIERTER LEBENSMITTELBEHÄLTER

Title (fr)

COMPOSITIONS CHIMIQUES À BASE D'ACRYLATE ET DE NON-ACRYLATE POUR LE REVÊTEMENT SÉLECTIF DE RÉCIPIENTS ALIMENTAIRES À BASE DE FIBRES

Publication

EP 3983140 A1 20220420 (EN)

Application

EP 21807503 A 20210514

Priority

- US 202016877419 A 20200518
- US 2021032396 W 20210514

Abstract (en)

[origin: WO2021236433A1] Methods and apparatus for vacuum forming and subsequently applying topical coatings fiber-based food containers. The slurry includes one or more of an embedded moisture barrier, vapor barrier, and oil barrier, and the topical coating comprises one or more of a vapor barrier, a moisture barrier, an oil barrier, and an oxygen barrier, for example polyvinyl alcohol, sugar alcohol, citric acid, and cellulose nanofibrils.

IPC 8 full level

B05D 1/02 (2006.01); **B05D 1/18** (2006.01); **B05D 1/28** (2006.01)

CPC (source: EP)

B65D 1/34 (2013.01); **B65D 25/14** (2013.01); **D21J 3/00** (2013.01); **D21J 7/00** (2013.01); **B05D 1/02** (2013.01); **B05D 2203/22** (2013.01); **B05D 2401/20** (2013.01); **B05D 2501/10** (2013.01); **B05D 2502/00** (2013.01); **B65D 81/3446** (2013.01)

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)

WO 2021236433 A1 20211125; AU 2021276241 A1 20220407; BR 112022004750 A2 20220531; CA 3155692 A1 20211125; CN 114269483 A 20220401; EP 3983140 A1 20220420; EP 3983140 A4 20230719; JP 2023528101 A 20230704; MX 2022002804 A 20220406

DOCDB simple family (application)

US 2021032396 W 20210514; AU 2021276241 A 20210514; BR 112022004750 A 20210514; CA 3155692 A 20210514; CN 202180004936 A 20210514; EP 21807503 A 20210514; JP 2022517792 A 20210514; MX 2022002804 A 20210514