

## Title (en)

METHOD FOR PRODUCING A MULTI-LAYER COMPOSITE FILM, MULTI-LAYER COMPOSITE FILM AND USE THEREOF

## Title (de)

VERFAHREN ZUR HERSTELLUNG EINER MEHRSCICHTIGEN VERBUNDFOLIE, MEHRSCICHTIGE VERBUNDFOLIE UND DEREN VERWENDUNG

## Title (fr)

PROCÉDÉ DE FABRICATION D'UNE FEUILLE COMPOSITE MULTICOUCHE, FEUILLE COMPOSITE MULTICOUCHE ET SON UTILISATION

## Publication

**EP 3962736 A1 20220309 (DE)**

## Application

**EP 20723390 A 20200430**

## Priority

- DE 102019111458 A 20190503
- EP 2020062162 W 20200430

## Abstract (en)

[origin: CA3132791A1] The present claim relates to a method for producing a multi-layer composite film comprising the step of co-extruding at least three layers (a), (b) and (c), from which the layer (a) forms an outer surface of the composite film; the layer (c) forms a surface of the composite film that comes into contact therewith or faces the product to be packaged; and the layer (b) is arranged between the layer (a) and the layer (c). The method also comprises the step of bi-axially drawing the co-extruded composite film. Layer (a) contains a thermoplastic resin or is made thereof. Layer (b) contains a polyvinyl chloride (PVdC)- resin or is made thereof. Layer (c) contains a resin, preferably sealable, in particular a heat-sealable resin or is made therefrom. As a result, there is no cross-linking of the composite film by means of radio-active radiation, in particular by means of beta, gamma, x-ray and/or electron radiation, during the production of the composite film and after.

## IPC 8 full level

**B32B 27/08** (2006.01); **B29C 48/00** (2019.01); **B29C 48/21** (2019.01); **B29C 55/12** (2006.01); **B32B 1/08** (2006.01); **B32B 7/027** (2019.01); **B32B 7/12** (2006.01); **B32B 27/30** (2006.01); **B32B 27/32** (2006.01); **B32B 27/34** (2006.01); **B32B 27/36** (2006.01); **B65D 37/00** (2006.01); **B65D 65/40** (2006.01); **C08L 27/08** (2006.01)

## CPC (source: EP US)

**B29C 48/02** (2019.02 - EP); **B29C 48/08** (2019.02 - US); **B29C 48/21** (2019.02 - EP US); **B29C 55/12** (2013.01 - EP); **B32B 1/00** (2013.01 - US); **B32B 1/08** (2013.01 - EP US); **B32B 7/027** (2019.01 - EP US); **B32B 7/12** (2013.01 - EP US); **B32B 27/08** (2013.01 - EP US); **B32B 27/304** (2013.01 - EP US); **B32B 27/306** (2013.01 - EP US); **B32B 27/308** (2013.01 - EP US); **B32B 27/32** (2013.01 - EP US); **B32B 27/327** (2013.01 - EP); **B32B 27/34** (2013.01 - EP US); **B32B 27/36** (2013.01 - EP US); **B65D 65/40** (2013.01 - US); **B29C 55/005** (2013.01 - EP); **B29K 2023/00** (2013.01 - US); **B29K 2027/08** (2013.01 - US); **B29K 2995/0012** (2013.01 - US); **B29K 2995/0063** (2013.01 - US); **B29K 2995/0097** (2013.01 - US); **B32B 2250/03** (2013.01 - EP); **B32B 2250/05** (2013.01 - EP US); **B32B 2250/24** (2013.01 - EP US); **B32B 2270/00** (2013.01 - EP US); **B32B 2307/31** (2013.01 - EP US); **B32B 2307/412** (2013.01 - EP); **B32B 2307/414** (2013.01 - EP US); **B32B 2307/518** (2013.01 - EP US); **B32B 2307/54** (2013.01 - EP US); **B32B 2307/72** (2013.01 - EP US); **B32B 2307/7244** (2013.01 - EP US); **B32B 2307/7246** (2013.01 - EP US); **B32B 2307/7248** (2013.01 - EP); **B32B 2307/732** (2013.01 - US); **B32B 2307/736** (2013.01 - EP US); **B32B 2307/75** (2013.01 - EP); **B32B 2439/46** (2013.01 - US); **B32B 2439/70** (2013.01 - EP US)

## 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)

**DE 102019111458 A1 20201105**; AU 2020267808 A1 20210930; AU 2020267808 B2 20230504; BR 112021021716 A2 20211221; CA 3132791 A1 20201112; CA 3132791 C 20231219; CN 113677528 A 20211119; EP 3962736 A1 20220309; US 2022219437 A1 20220714; WO 2020225136 A1 20201112

## DOCDB simple family (application)

**DE 102019111458 A 20190503**; AU 2020267808 A 20200430; BR 112021021716 A 20200430; CA 3132791 A 20200430; CN 202080028369 A 20200430; EP 2020062162 W 20200430; EP 20723390 A 20200430; US 202017607779 A 20200430