

Title (en)

METHOD FOR PRODUCING A PLANAR POLYMER STACK

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES PLANAREN POLYMERSTAPELS

Title (fr)

PROCEDE DE FABRICATION D'UN EMPILEMENT POLYMERIQUE PLAN

Publication

**EP 3714327 A1 20200930 (FR)**

Application

**EP 18826414 A 20181123**

Priority

- FR 1761179 A 20171124
- FR 2018052962 W 20181123

Abstract (en)

[origin: WO2019102158A1] The invention relates to a method for producing a planar polymer stack, said stack comprising at least one first and one second (co)polymer layer (20, 30) which are stacked one on top of the other, the first subjacent (co)polymer layer (20) having not received any previous treatment allowing the cross-linking thereof, and at least one of the (co)polymer layers being initially in a liquid or viscous state. Said method is characterised in that the upper layer (30), called the top coat (TC), is deposited on the first layer (20) in the form of a prepolymer composition (pre-TC), comprising at least one monomer and/or dimer and/or oligomer and/or polymer in a solution, and in that the upper layer is then subjected to a stimulus that can cause a cross-linking reaction of the molecular chains within said layer (30, TC).

IPC 8 full level

**G03F 7/00** (2006.01); **G03F 7/004** (2006.01); **G03F 7/027** (2006.01); **G03F 7/038** (2006.01); **G03F 7/09** (2006.01); **G03F 7/095** (2006.01); **G03F 7/11** (2006.01); **G03F 7/20** (2006.01)

CPC (source: EP KR US)

**G03F 1/78** (2013.01 - US); **G03F 7/0002** (2013.01 - EP KR US); **G03F 7/0045** (2013.01 - EP KR); **G03F 7/027** (2013.01 - EP KR); **G03F 7/028** (2013.01 - KR); **G03F 7/033** (2013.01 - KR); **G03F 7/038** (2013.01 - EP KR); **G03F 7/0757** (2013.01 - KR); **G03F 7/091** (2013.01 - EP KR); **G03F 7/095** (2013.01 - EP KR); **G03F 7/0955** (2013.01 - EP KR US); **G03F 7/11** (2013.01 - EP KR); **G03F 7/2059** (2013.01 - EP KR US); **G03F 7/422** (2013.01 - KR); **G03F 7/427** (2013.01 - 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)

**WO 2019102158 A1 20190531**; CN 111615665 A 20200901; CN 111615665 B 20231205; EP 3714327 A1 20200930; FR 3074180 A1 20190531; FR 3074180 B1 20210101; JP 2021504114 A 20210215; KR 20200088881 A 20200723; SG 11202004855Y A 20200629; TW 202004335 A 20200116; TW I794316 B 20230301; US 2020371437 A1 20201126

DOCDB simple family (application)

**FR 2018052962 W 20181123**; CN 201880086963 A 20181123; EP 18826414 A 20181123; FR 1761179 A 20171124; JP 2020528380 A 20181123; KR 20207018082 A 20181123; SG 11202004855Y A 20181123; TW 107138305 A 20181030; US 201816766490 A 20181123