

Title (en)

METHOD FOR PRODUCING A PLANAR POLYMERIC STACK

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES PLANAREN POLYMEREN STAPELS

Title (fr)

PROCEDE DE FABRICATION D'UN EMPILEMENT POLYMERIQUE PLAN

Publication

EP 3714328 A1 20200930 (FR)

Application

EP 18822429 A 20181123

Priority

- FR 1761180 A 20171124
- FR 2018052964 W 20181123

Abstract (en)

[origin: WO2019102160A1] The invention concerns a method for producing a planar polymeric stack, said stack comprising at least first and second (co-)polymer layers (20, 30) stacked one on top of the other, the first underlying (co-)polymer layer (20) not having undergone any prior treatment allowing it to crosslink, at least one of the (co-)polymer layers initially being in a liquid or viscous state, said method being characterised in that the top layer (30), referred to as the top coat (TC), is deposited on the first layer (20) in the form of a pre-polymer composition (pre-TC), comprising at least one monomer and/or dimer and/or oligomer and/or polymer in solution, and in that it is then subjected to a heat treatment capable of causing a crosslinking reaction in the molecular chains within said layer (30, TC).

IPC 8 full level

G03F 7/004 (2006.01); **G03F 7/00** (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)

C08F 287/00 (2013.01 - US); **G03F 1/48** (2013.01 - US); **G03F 1/80** (2013.01 - US); **G03F 7/0002** (2013.01 - EP KR);
G03F 7/0045 (2013.01 - EP KR); **G03F 7/027** (2013.01 - EP); **G03F 7/028** (2013.01 - KR); **G03F 7/033** (2013.01 - KR);
G03F 7/038 (2013.01 - EP); **G03F 7/0757** (2013.01 - KR); **G03F 7/091** (2013.01 - EP KR); **G03F 7/095** (2013.01 - EP);
G03F 7/0955 (2013.01 - EP KR); **G03F 7/11** (2013.01 - EP KR); **G03F 7/2059** (2013.01 - EP KR); **G03F 7/422** (2013.01 - KR)

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 2019102160 A1 20190531; CN 111615666 A 20200901; CN 111615666 B 20240206; EP 3714328 A1 20200930; FR 3074179 A1 20190531;
FR 3074179 B1 20210101; JP 2021504113 A 20210215; KR 20200088449 A 20200722; SG 11202004857V A 20200629;
TW 202004334 A 20200116; TW I806914 B 20230701; US 11454880 B2 20220927; US 2020379339 A1 20201203

DOCDB simple family (application)

FR 2018052964 W 20181123; CN 201880086931 A 20181123; EP 18822429 A 20181123; FR 1761180 A 20171124;
JP 2020528373 A 20181123; KR 20207018083 A 20181123; SG 11202004857V A 20181123; TW 107138304 A 20181030;
US 201816766491 A 20181123