

Title (en)
METHODS AND SYSTEMS FOR MAKING AN OPTICAL FUNCTIONAL FILM

Title (de)
VERFAHREN UND SYSTEME ZUR HERSTELLUNG EINES OPTISCHEN FUNKTIONALEN FILMS

Title (fr)
PROCÉDÉS ET SYSTÈMES DE FABRICATION D'UN FILM OPTIQUE FONCTIONNEL

Publication
EP 3256301 A1 20171220 (EN)

Application
EP 15882257 A 20150901

Priority
• US 201562116545 P 20150215
• US 201514806579 A 20150722
• US 2015047973 W 20150901

Abstract (en)
[origin: WO2016130177A1] A method to make dyed functional film comprising the steps of providing a soluble polymer material; adding an appropriate solvent to the polymer material to make a soluble polymer solution; providing a soluble dye; adding an appropriate solvent to the dye to make a soluble dye solution; adding the dye solution to the polymer or PVA solution, and introducing the dyed polymer or PVA solution to a solution casting device; removing a thin dyed functional film from the casting device; and letting the dyed functional film dry and solidified.

IPC 8 full level
B29C 41/28 (2006.01); **B29C 41/46** (2006.01); **B29D 7/01** (2006.01); **B29K 29/00** (2006.01)

CPC (source: CN EP US)
B29D 11/00009 (2013.01 - CN US); **B29D 11/00644** (2013.01 - CN EP US); **B29D 11/0073** (2013.01 - CN EP US);
B29D 11/00865 (2013.01 - CN EP US); **B29D 11/00913** (2013.01 - CN US); **B29D 11/00923** (2013.01 - CN US);
G02C 7/108 (2013.01 - CN EP US); **G02C 7/12** (2013.01 - CN); **B29D 11/00653** (2013.01 - CN EP US); **B29K 2029/04** (2013.01 - CN EP US);
G02B 1/11 (2013.01 - CN US); **G02B 1/14** (2015.01 - CN EP US); **G02B 1/18** (2015.01 - CN EP US); **G02C 7/12** (2013.01 - EP US);
G02C 2202/16 (2013.01 - CN 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 2016130177 A1 20160818; AU 2015382374 A1 20170608; CN 107206712 A 20170926; EP 3256301 A1 20171220;
EP 3256301 A4 20190424; JP 2018507792 A 20180322; US 2016238859 A1 20160818

DOCDB simple family (application)
US 2015047973 W 20150901; AU 2015382374 A 20150901; CN 201580065781 A 20150901; EP 15882257 A 20150901;
JP 2017529382 A 20150901; US 201514806579 A 20150722