

Title (en)

FLEXIBLE, THERMALLY STABLE AND SIMULTANEOUSLY TRANSPARENT BIO-BASED FILM BASED ON POLY(LACTIC ACID),  
FORMULATION FOR PRODUCING THE FILM AND USE OF SAID FILM

Title (de)

FLEXIBLE, THERMISCH STABILE UND GLEICHZEITIG TRANSPARENTE BIOBASIERTE FOLIE BASIEREND AUF POLYMILCHSÄURE, EINE  
FORMULIERUNG ZUR HERSTELLUNG DER FOLIE SOWIE IHRE VERWENDUNG

Title (fr)

BIOFILM FLEXIBLE, THERMIQUEMENT STABLE ET EN MÊME TEMPS TRANSPARENT, À BASE D'ACIDE POLYLACTIQUE, FORMULATION  
POUR LA PRODUCTION DU BIOFILM ET SON UTILISATION

Publication

**EP 3221388 A1 20170927 (DE)**

Application

**EP 15786978 A 20151029**

Priority

- DE 102014223470 A 20141118
- EP 2015075101 W 20151029

Abstract (en)

[origin: WO2016078889A1] The invention relates to a bio-based film comprising a composition based on poly(lactic acid), said composition containing the following components: (a) at least one bio-based co-polymer based on at least one lactic acid derivative; (b) at least one plasticizer comprising at least one compound which contains at least one ester group, excluding dimeric and polymeric esters of lactic acid; (c) at least one nucleation agent; and (d) optional additives.

IPC 8 full level

**C08J 5/18** (2006.01); **C08K 5/00** (2006.01); **C08K 5/11** (2006.01); **C09J 7/02** (2006.01); **C09J 7/04** (2006.01); **C09J 7/38** (2018.01)

CPC (source: CN EP US)

**C08J 5/18** (2013.01 - CN EP US); **C08K 5/0016** (2013.01 - CN EP US); **C08K 5/0083** (2013.01 - CN EP US); **C08K 5/11** (2013.01 - CN EP US); **C08L 67/04** (2013.01 - US); **C09J 7/255** (2017.12 - CN EP US); **C09J 7/38** (2017.12 - US); **C08J 2367/04** (2013.01 - CN EP US); **C09J 2203/326** (2013.01 - CN EP US); **C09J 2203/334** (2013.01 - CN EP US); **C09J 2301/302** (2020.08 - CN EP US); **C09J 2301/414** (2020.08 - CN EP US)

Citation (search report)

See references of WO 2016078889A1

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)

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DOCDB simple family (application)

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