Title (en)

CATALYTICALLY DEGRADABLE PLASTIC AND USE OF SAME

Title (de)

KATALYTISCH ABBAUBARER KUNSTSTOFF SOWIE DESSEN VERWENDUNG

Title (fr)

MATIÈRE PLASTIQUE DÉGRADABLE PAR VOIE CATALYTIQUE ET SON UTILISATION

Publication

EP 3032972 A1 20160622 (DE)

Application

EP 14744596 A 20140730

Priority

- EP 13180137 A 20130812
- EP 2014066401 W 20140730
- EP 14744596 A 20140730

Abstract (en)

[origin: CA2920555A1] A catalytically degradable plastic is described, with content of cellulose esters and also optionally of additives. A particular characterizing feature of this catalytically degradable plastic is that it contains a dispersed, catalytically active transition-metal-modified titanium dioxide.

IPC 8 full level

A24D 3/10 (2006.01); **B01J 21/06** (2006.01); **C08L 1/12** (2006.01); **C08L 1/14** (2006.01)

CPC (source: EP RU US)

A24D 3/068 (2013.01 - EP US); **A24D 3/10** (2013.01 - EP RU US); **A24D 3/16** (2013.01 - EP US); **B01J 23/745** (2013.01 - EP US); **B01J 35/31** (2024.01 - US); **B01J 35/39** (2024.01 - EP US); **B01J 35/615** (2024.01 - US); **B01J 35/617** (2024.01 - US); **B01J 35/618** (2024.01 - US); **C08K 9/02** (2013.01 - US); **C08L 1/10** (2013.01 - EP US); **C08L 1/12** (2013.01 - EP US); **C08L 1/14** (2013.01 - EP US)

Citation (search report)

See references of WO 2015022190A1

Citation (examination)

LEO B GENUNG: "Approximate Degrees of Polymerization of Cellulose Esters from Intrinsic Viscosities", 1 August 1964 (1964-08-01), XP055464933, Retrieved from the Internet <URL:https://pubs.acs.org/doi/pdf/10.1021/ac60215a037> [retrieved on 20180405]

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)

EP 2837296 A1 20150218; CA 2920555 A1 20150219; CN 105578907 A 20160511; EP 3032972 A1 20160622; JP 2016528347 A 20160915; KR 20160042979 A 20160420; MX 2016001794 A 20161026; PH 12016500295 A1 20160516; RU 2016108656 A 20170918; RU 2646196 C2 20180301; US 2016192700 A1 20160707; WO 2015022190 A1 20150219

DOCDB simple family (application)

EP 13180137 A 20130812; CA 2920555 A 20140730; CN 201480045335 A 20140730; EP 14744596 A 20140730; EP 2014066401 W 20140730; JP 2016532325 A 20140730; KR 20167006240 A 20140730; MX 2016001794 A 20140730; PH 12016500295 A 20160212; RU 2016108656 A 20140730; US 201414911546 A 20140730