

Title (en)
INHIBITING CALCIUM CARBONATE ADDITIVE

Title (de)
INHIBIERENDES CALCIUMCARBONATADDITIV

Title (fr)
ADDITIF À BASE DE CARBONATE DE CALCIUM INHIBITEUR

Publication
EP 3510083 A1 20190717 (DE)

Application
EP 17777786 A 20170907

Priority
• EP 16001955 A 20160908
• EP 2017001064 W 20170907

Abstract (en)
[origin: WO2018046127A1] The invention relates to the use of inhibiting calcium carbonate as an additive for a composition containing at least one polymer different from cellulose, wherein the inhibiting calcium carbonate can be obtained by means of a method in which calcium carbonate particles are coated with a composition that comprises, with respect to the total weight thereof, at least 0.1 wt% of at least one weak acid. The invention further relates to a composition containing at least one polymer different from cellulose and containing inhibiting calcium carbonate, wherein the inhibiting calcium carbonate can be obtained by means of a method in which calcium carbonate particles are coated with a composition that comprises, with respect to the total weight thereof, at least 0.1 wt% of at least one weak acid. Preferred areas of application of the composition include the use of the composition in food packaging, in products for agriculture and gardening, in catering articles, in office articles, in medical products, in composite materials, and/or in 3-D printing methods.

IPC 8 full level
C08J 3/20 (2006.01); **C08J 5/00** (2006.01); **C08K 3/26** (2006.01); **C08K 9/02** (2006.01); **C08K 9/04** (2006.01); **C09C 1/02** (2006.01)

CPC (source: EP RU US)
C08G 63/08 (2013.01 - US); **C08J 3/124** (2013.01 - EP RU); **C08J 3/203** (2013.01 - EP RU); **C08J 5/00** (2013.01 - RU); **C08K 3/26** (2013.01 - RU US); **C08K 7/18** (2013.01 - US); **C08K 9/02** (2013.01 - EP RU US); **C08K 9/04** (2013.01 - EP RU); **C08L 67/04** (2013.01 - RU); **C09C 1/021** (2013.01 - EP); **C09C 1/024** (2013.01 - EP RU US); **C09C 3/063** (2013.01 - RU); **C01P 2004/03** (2013.01 - EP US); **C01P 2004/32** (2013.01 - EP US); **C01P 2004/54** (2013.01 - US); **C01P 2004/80** (2013.01 - US); **C08J 2367/04** (2013.01 - EP); **C08K 2003/265** (2013.01 - EP US); **C08K 2201/016** (2013.01 - US); **C08K 2201/018** (2013.01 - EP)

C-Set (source: EP)
1. **C08K 9/04 + C08L 67/04**
2. **C08K 9/02 + C08L 67/04**

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 2018046127 A1 20180315; CA 3033785 A1 20180315; CN 109661419 A 20190419; CN 109661419 B 20220527; EP 3510083 A1 20190717; JP 2019534932 A 20191205; JP 2022169563 A 20221109; JP 7155127 B2 20221018; MY 193329 A 20221005; RU 2019110163 A 20201008; RU 2019110163 A3 20201008; RU 2738378 C2 20201211; US 11548998 B2 20230110; US 2021179814 A1 20210617

DOCDB simple family (application)
EP 2017001064 W 20170907; CA 3033785 A 20170907; CN 201780054448 A 20170907; EP 17777786 A 20170907; JP 2019535441 A 20170907; JP 2022123797 A 20220803; MY PI2019000779 A 20170907; RU 2019110163 A 20170907; US 201716330630 A 20170907