

Title (en)

GRANULATE COMPRISING AN INORGANIC, SOLID CARRIER, CONTAINING AT LEAST ONE BIOSURFACTANT

Title (de)

GRANULAT UMFASSEND EINEN ANORGANISCHEN, FESTEN TRÄGER, AUF DEM MINDESTENS EIN BIOTENSID ENTHALTEN IST

Title (fr)

GRANULAT COMPRENANT UN SUPPORT FIXE ANORGANIQUE, COMPORTANT AU MOINS UN BIOTENSEUR

Publication

EP 3430112 B1 20200108 (DE)

Application

EP 17707570 A 20170301

Priority

- EP 16161078 A 20160318
- EP 2017054724 W 20170301

Abstract (en)

[origin: WO2017157659A1] The invention relates to a granulate comprising an inorganic solid carrier with at least one biosurfactant contained thereon, as well as to formulations containing this granulate and to the use of same.

IPC 8 full level

C11D 1/06 (2006.01); **C11D 3/08** (2006.01); **C11D 3/10** (2006.01); **C11D 3/12** (2006.01); **C11D 17/00** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP KR US)

C11D 1/06 (2013.01 - EP US); **C11D 1/662** (2013.01 - KR US); **C11D 3/0026** (2013.01 - EP KR US); **C11D 3/10** (2013.01 - EP US);
C11D 3/124 (2013.01 - US); **C11D 3/1246** (2013.01 - EP US); **C11D 3/128** (2013.01 - EP US); **C11D 3/3942** (2013.01 - US);
C11D 17/0034 (2013.01 - EP US); **C11D 17/06** (2013.01 - EP KR US); **C11D 2111/14** (2024.01 - EP KR 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

DOCDB simple family (publication)

WO 2017157659 A1 20170921; AU 2017234866 A1 20180830; BR 112018068893 A2 20190122; BR 112018068893 B1 20221213;
CA 3017990 A1 20170921; CA 3017990 C 20230801; CN 108884413 A 20181123; CN 108884413 B 20220401; EP 3430112 A1 20190123;
EP 3430112 B1 20200108; JP 2019508564 A 20190328; KR 20180122666 A 20181113; MX 2018011099 A 20181122;
RU 2018132032 A 20200310; US 11254896 B2 20220222; US 2019031977 A1 20190131; ZA 201806796 B 20190731

DOCDB simple family (application)

EP 2017054724 W 20170301; AU 2017234866 A 20170301; BR 112018068893 A 20170301; CA 3017990 A 20170301;
CN 201780018196 A 20170301; EP 17707570 A 20170301; JP 2018548879 A 20170301; KR 20187028935 A 20170301;
MX 2018011099 A 20170301; RU 2018132032 A 20170301; US 201716077556 A 20170301; ZA 201806796 A 20181012