

Title (en)
PROCESSES FOR SELECTIVE EXTRACTION OF UNSAPONIFIABLE MATERIALS FROM RENEWABLE RAW MATERIALS BY SOLID-LIQUID EXTRACTION IN THE PRESENCE OF A COSOLVENT

Title (de)
VERFAHREN ZUR SELEKTIVEN EXTRAKTION VON UNVERSEIFBAREN MATERIALIEN AUS NACHWACHSENDEN ROHSTOFFEN DURCH FEST-FLÜSSIG-EXTRAKTION IN GEGENWART EINES CO-LÖSUNGSMITTEL

Title (fr)
PROCÉDÉS D'EXTRACTION SÉLECTIVE DES INSAPONIFIABLES DE MATIÈRES PREMIÈRES RENOUVELABLES PAR EXTRACTION SOLIDE-LIQUIDE EN PRÉSENCE D'UN COSOLVANT

Publication
EP 3004301 A1 20160413 (FR)

Application
EP 14733257 A 20140604

Priority
• FR 1355142 A 20130604
• FR 2014051330 W 20140604

Abstract (en)
[origin: WO2014195639A1] The invention relates to processes for extraction of an unsaponifiable fraction from a solid renewable raw material, comprising the solid-liquid extraction of the fats from said solid renewable raw material in the presence of at least one polar organic solvent and of at least one nonpolar cosolvent which is immiscible with said polar organic solvent, resulting in the obtaining of a polar organic phase enriched with lipids functionalized with one or more functions chosen from hydroxyl, epoxide, ketone, thiol, aldehyde, ether and amine functions, and of a nonpolar organic phase enriched with lipids containing no or few hydroxyl, epoxide, ketone, thiol, aldehyde, ether and amine functions, then the concentration of the organic phases.

IPC 8 full level
C11B 1/04 (2006.01); **C11B 1/10** (2006.01); **C11B 3/00** (2006.01); **C11B 3/06** (2006.01); **C11B 7/00** (2006.01); **C11C 1/10** (2006.01)

CPC (source: EP US)
C11B 1/04 (2013.01 - EP US); **C11B 1/108** (2013.01 - US); **C11B 3/00** (2013.01 - EP US); **C11B 3/06** (2013.01 - EP US); **C11B 3/12** (2013.01 - US); **C11B 7/0008** (2013.01 - EP US); **C11B 7/0041** (2013.01 - EP US); **C11B 7/0066** (2013.01 - US); **C11C 1/025** (2013.01 - US); **C11C 1/08** (2013.01 - US); **C11C 1/10** (2013.01 - EP US)

Citation (search report)
See references of WO 2014195639A1

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)
FR 3006329 A1 20141205; **FR 3006329 B1 20150605**; CA 2914490 A1 20141211; CN 105358665 A 20160224; EP 3004301 A1 20160413; JP 2016527336 A 20160908; US 2016122687 A1 20160505; WO 2014195639 A1 20141211

DOCDB simple family (application)
FR 1355142 A 20130604; CA 2914490 A 20140604; CN 201480038938 A 20140604; EP 14733257 A 20140604; FR 2014051330 W 20140604; JP 2016517663 A 20140604; US 201414895935 A 20140604