

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

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

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

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Application
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Abstract (en)
[origin: WO2014195638A1] The invention relates to processes for extraction of an unsaponifiable fraction from a solid renewable raw material, comprising the extraction of the fats from the solid renewable raw material, resulting in the obtaining of an oil, the concentration of the oil so as to obtain a mixture enriched with unsaponifiable fraction, and the liquid-liquid extraction of the mixture enriched with unsaponifiable fraction 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.

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