

Title (en)  
METHOD OF EXTRACTING FATTY ACIDS FROM TRIGLYCERIDE OILS

Title (de)  
VERFAHREN ZUR EXTRAKTION VON FETTSÄUREN AUS TRIGLYCERIDÖLEN

Title (fr)  
PROCÉDÉ D'EXTRACTION D'ACIDES GRAS D'UNE HUILE GLYCÉRIDIQUE

Publication  
**EP 3483237 A1 20190515 (DE)**

Application  
**EP 17201077 A 20171110**

Priority  
EP 17201077 A 20171110

Abstract (en)  
[origin: US2019144778A1] A process which can extract a fatty acid from a triglyceride oil includes (a) contacting a triglyceride oil T1 made of a fatty acid with an aqueous solution W1 made of a quaternary ammonium salt and an aliphatic diol having 1 to 8 carbon atoms, where a triglyceride oil phase T2 and an aqueous phase W2 are obtained, where T2 has a reduced content of fatty acids compared to T1 and W2 has an increased content of fatty acids compared to W1; and (h) separating the triglyceride oil phase T2 from the aqueous phase W2. The quaternary ammonium salt includes a quaternary ammonium cation and a basic anion selected among hydroxide, alkoxide, alkyl carbonate, hydrogen carbonate, carbonate, serinate, prolinat, histidinate, threoninate, valinate, aspartate, taurinate, and lysinate,

Abstract (de)  
Die Erfindung betrifft ein verbessertes Verfahren zur Extraktion von Fettsäuren aus Triglyceridölen. Dabei wird die Extraktion des Triglyceridöls mit einer wässrigen Lösung umfassend mindestens ein quarternäres Ammoniumsalz und mindestens ein aliphatisches Diol mit 1 bis 8 Kohlenstoffatomen durchgeführt. Das erfindungsgemäße Verfahren zeichnet sich durch hohe Effizienz aus.

IPC 8 full level  
**C11B 3/00** (2006.01); **C11B 3/06** (2006.01)

CPC (source: BR EP US)  
**C11B 3/001** (2013.01 - BR); **C11B 3/006** (2013.01 - BR EP US); **C11B 3/06** (2013.01 - US); **C11B 7/0025** (2013.01 - US); **C11B 7/0083** (2013.01 - US); **C11B 3/04** (2013.01 - BR); **C11B 3/06** (2013.01 - BR)

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Designated contracting state (EPC)  
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Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3483237 A1 20190515**; AR 111729 A1 20190814; BR 102018008028 A2 20190604; CN 109762665 A 20190517; JP 2019089995 A 20190613; JP 6652588 B2 20200226; MY 176573 A 20200817; PH 12018000112 A1 20191104; US 10301572 B1 20190528; US 2019144778 A1 20190516

DOCDB simple family (application)  
**EP 17201077 A 20171110**; AR P180101049 A 20180424; BR 102018008028 A 20180420; CN 201810378809 A 20180425; JP 2018082307 A 20180423; MY PI2018701506 A 20180417; PH 12018000112 A 20180419; US 201815946791 A 20180406