

Title (en)  
METHOD FOR DEGUMMING TRIGLYCERIDE OILS

Title (de)  
VERFAHREN ZUR ENTSCHEIMUNG VON TRIGLYZERIDÖLEN

Title (fr)  
PROCÉDÉ DE DÉGOMMAGE D'HUILES TRIGLYCÉRIDQUES

Publication  
**EP 3292190 A4 20181219 (EN)**

Application  
**EP 15891363 A 20150506**

Priority  
US 2015029388 W 20150506

Abstract (en)  
[origin: WO2016178676A1] A multi-stage homogenization method for degumming triglyceride oil is used to increase oil yield and reduce impurities. Two high-pressure homogenizers are used in series. The homogenizers have multiple flow constrictions to finely disperse reagents in the oil while simultaneously suppressing cavitation in the fluid. A separation step can be used to remove the phosphatides and other impurities from the treated oil to form a purified oil product.

IPC 8 full level  
**C11B 3/16** (2006.01)

CPC (source: EP)  
**C11B 3/001** (2013.01); **C11B 3/04** (2013.01); **C11B 3/06** (2013.01); **C11B 3/16** (2013.01)

Citation (search report)

- [A] EP 2592133 B1 20140604 - ALFA LAVAL CORP AB [SE]
- [A] US 6172248 B1 20010109 - COPELAND DICK [US], et al
- [A] WO 2009148919 A1 20091210 - CARGILL INC [US], et al
- [A] US 2011003370 A1 20110106 - GORDON ROMAN [US], et al
- [A] US 2003050492 A1 20030313 - COPELAND DICK [US], et al
- See also references of WO 2016178676A1

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 2016178676 A1 20161110**; BR 112017023635 A2 20180717; BR 112017023635 B1 20211130; CA 2984883 A1 20161110; CA 2984883 C 20220405; EP 3292190 A1 20180314; EP 3292190 A4 20181219; EP 3292190 B1 20200819; MX 2017013955 A 20180411

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