

Title (en)
METHODS FOR DEGUMMING OILS

Title (de)
VERFAHREN ZUR ENTBASTUNG VON ÖLEN

Title (fr)
PROCÉDÉS DE DÉMUCILAGINATION D'HUILES

Publication
EP 3164010 A4 20171220 (EN)

Application
EP 14896429 A 20140703

Priority
US 2014045356 W 20140703

Abstract (en)
[origin: WO2016003465A1] Processes and systems are provided for effectively degumming vegetable oils with the use of an acid and base pretreated mixture of vegetable oil. The pretreated mixture is subjected to compression and one or more intervals of explosive decompression of the compressed mixture to form a degummed vegetable oil. Also provided are compression and decompression rates and conditions that can be used to effectively degum vegetable oil to achieve reduced levels of phosphorus and metals such as iron, calcium and magnesium.

IPC 8 full level
C11B 3/04 (2006.01); **C11B 3/06** (2006.01); **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)

- [XDI] US 6172248 B1 20010109 - COPELAND DICK [US], et al
- [XI] WO 2011046815 A1 20110421 - BUNGE OILS INC [US], et al
- [AD] US 4240972 A 19801223 - MAG THEODORE K [CA], et al
- [A] EP 0456300 A1 19911113 - UNILEVER NV [NL], et al
- See references of WO 2016003465A1

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 2016003465 A1 20160107; BR 112016029246 A2 20170822; BR 112016029246 B1 20210831; CA 2951013 A1 20160107; CA 2951013 C 20210413; EP 3164010 A1 20170510; EP 3164010 A4 20171220; EP 3164010 B1 20190410; MX 2016014951 A 20170728

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