

Title (en)

PROCESS FOR DEGUMMING TRIGLYCERIDE OILS

Publication

EP 0269277 B1 19910724 (EN)

Application

EP 87309597 A 19871029

Priority

US 92988986 A 19861113

Abstract (en)

[origin: EP0269277A2] A process is provided for removing phospholipids or gums from triglyceride oils. The process comprises (a) dispersing in the oil an organic acid or acid anhydride, at a temperature not greater than about 40 DEG C; (b) subsequently dispersing water in the oil, while maintaining the temperature at not greater than about 40 DEG C; and then (c) separating a sludge containing the gums from the oil to produce an oil product substantially reduced in phosphorus-containing compounds. The oil product of this degumming process, when subjected to the further step of bleaching, consistently results in a refined oil product containing less than 3 ppm of phosphorus, usually less than about 0.5 ppm phosphorus.

IPC 1-7

C11B 3/04; C11B 3/10

IPC 8 full level

C11B 3/00 (2006.01); **C11B 3/04** (2006.01)

CPC (source: EP)

C11B 3/001 (2013.01); **C11B 3/04** (2013.01)

Cited by

DE102010048367A1; US5286886A; CN109198042A; EP0456300A1; CN109259237A; EP0473985A3; US5239096A; EP2161328A1; FR2935709A1; AU2007220657B2; CN109439430A; EP0526954A3; EP0348004A3; JPH02255896A; US5516924A; AU623907B2; DE102010055969A1; WO2017212076A1; DE102008048009A1; WO2008080599A1; WO9412596A1; WO2012139588A2; US8828447B2; WO2012139588A3; WO2007098928A1; EP2311929A1; DE102009049950A1; WO2011047656A1; WO2012049232A1; US8987487B2

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