

Title (en)

Process for purification of unsaturated fatty oils.

Title (de)

Verfahren zum Reinigen von ungesättigten fetten Ölen.

Title (fr)

Procédé de purification d'huiles grasses insaturées.

Publication

EP 0108571 A2 19840516 (EN)

Application

EP 83306586 A 19831028

Priority

JP 19401582 A 19821104

Abstract (en)

A process for treating an unsaturated fatty oil to reduce its odour and/or colour and to increase its resistance to oxidative degradation with time, wherein said oil comprises an unsaturated ester of a higher fatty alcohol and a higher fatty acid or a triglyceride of an unsaturated higher fatty acid, the fatty acid or alcohol moiety being wholly or partially polyenic, which process comprises the following two steps in either order: (a) subjecting the said oil, or the product of step (b), to selective hydrogenation to modify said fatty acid or alcohol moiety from polyenic to monoenic and simultaneously, to reduce any peroxides, aldehydes and ketones present therein; and (b) dissolving the said oil, or the product of step (a), in a non-polar solvent and passing the solution through a column of an adsorbent for polar impurities, and then removing the solvent.

IPC 1-7

C11B 3/10; **C11B 3/00**; **C11C 3/12**

IPC 8 full level

C07C 69/58 (2006.01); **A61K 8/30** (2006.01); **A61K 8/37** (2006.01); **C07C 67/56** (2006.01); **C07C 69/587** (2006.01); **C11B 3/02** (2006.01); **C11B 3/10** (2006.01); **C11C 3/12** (2006.01)

CPC (source: EP)

C11B 3/10 (2013.01); **C11C 3/12** (2013.01)

Cited by

EP2196523A4; US5401862A; US4629588A; US6280659B1; EP0429995A3; US4902527A; TR24766A; US5318790A; EP0412624A3; EP0424066A3; US4880574A; US8399694B2; US7576227B2; US7459574B2; WO2009105351A1; WO2004065532A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0108571 A2 19840516; **EP 0108571 A3 19850306**; JP H0420037 B2 19920331; JP S5984992 A 19840516

DOCDB simple family (application)

EP 83306586 A 19831028; JP 19401582 A 19821104