(1) Publication number:

0 108 571

**A3** 

(12)

## **EUROPEAN PATENT APPLICATION**

(21) Application number: 83306586.5

(22) Date of filing: 28.10.83

(5) Int. Cl.4: **C 11 B 3/10** C 11 B 3/00, C 11 C 3/12

30 Priority: 04.11.82 JP 194015/82

(43) Date of publication of application: 16.05.84 Bulletin 84/20

- 88) Date of deferred publication of search report: 06.03.85
- (84) Designated Contracting States: AT BE CH DE FR GB IT LI LU NL SE
- (71) Applicant: DAI-ICHI CRODA CHEMICALS KABUSHIKI KAISHA 5-13 Doshin 1-chome Kita-ku Osaka(JP)
- (71) Applicant: SHISEIDO COMPANY LIMITED 5-5 Ginza 7-chome Cho-ku Tokyo(JP)

- (72) Inventor: Ishiwatari, Hideo 22-2 Sencho 2-chome Ootsu Shi Shiga Prefecture(JP)
- (72) Inventor: Koshiba, Suzuko 17-5 Shakujiidai 6-Chome Nerima-Ku Tokyo(JP)
- (72) Inventor: Koresawa, Takeshi 1162-1 Ooaza Kamigo Notogawa-Cho Kanzaki-Gun Shiga Prefecture(JP)
- (72) Inventor: Aizawa, Masanori care of Nitsuba Hanatsubaki Ryo 338 Nitsuba-Cho Kita-Ku Yokohama Shi Kanagawa Prefecture(JP)
- (74) Representative: Wain, Christopher Paul et al, A.A. THORNTON & CO. Northumberland House 303-306 High Holborn London WC1V 7LE(GB)
- (54) Process for purification of unsaturated fatty oils.
- (57) 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.



## **EUROPEAN SEARCH REPORT**

Application number

EP 83 30 6586

ategory	Citation of document with indication, where appropriate of relevant passages		e, Relevant to claim		CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)	
х	US-A-2 589 097 (W. LANGE et al.)  * claims 1,4,9; column 2, lines 3-10, 46-56; column 3, lines 16-20; example 2; column 6, lines 29-40; column 7, lines 25-31 *		1.9	-4,7-	C 11 B C 11 B C 11 C	3/02
					TECHNICAL FIE	
					C 11 B C 11 C	
		•				
	The present search report has b	peen drawn up for all claims	-			
	THE OFFICE Date of the properties			PEET	ERS Examiner	
Υ.,	CATEGORY OF CITED DOCL particularly relevant if taken alone particularly relevant if combined w document of the same category technological background non-written disclosure intermediate document	E : earlier pa after the f vith another D : documen L : documen	tent d filing ( t cited t cited	locument date d in the ap d for othe	rlying the invention, but published on, opplication reasons ent family, corresponding	or