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㉝ Direct hydrogenation process for glyceride oil.

㉞ The invention relates to a hydrogenation process for glyceride oil characterised by a control of moisture content of the reaction mixture comprising the steps of:

i) selecting a glyceride oil comprising less than 60 mg P/kg oil;

ii) carrying out the hydrogenation treatment by  
 a) contacting the glyceride oil with hydrogen in the presence of a hydrogenation catalyst  
 b) saturating partially the initially available double bonds in the glyceride oil and  
 c) removing the catalyst;

wherein the hydrogenation treatment being positively controlled by intentionally maintaining the moisture content of the reaction mixture comprising oil, hydrogenation catalyst and hydrogen, below 0.2% by weight calculated on the weight of the mixture; and

iii) optionally, purifying the hydrogenated oil from

remains of catalyst.



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EUROPEAN SEARCH REPORT

Application Number  
EP 92 20 2763

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)
D,A	FETT WISSENSCHAFT TECHNOLOGIE- FAT SCIENCE TECHNOLOGY vol. 93, no. 12 , 1991 , LEINFELDEN ECHTERDINGEN DE page 468 A.J. DIJKSTRA ET AL. 'Die Härtung entschleimter Oele' * page 468, column 1, paragraph 2 - column 2, paragraph 3 * ---	1,15	C11C3/12
D,A	JOURNAL OF THE AMERICAN OIL CHEMISTS' SOCIETY. vol. 66, no. 7 , 1989 , CHAMPAIGN US pages 1002 - 1009 ALBERT J. DIJKSTRA ET AL. 'The total degumming process' * page 1007, column 2, paragraph 3 * ---	1,15	
A	INFORM vol. 2, no. 3 , 1991 , CHAMPAIGN US pages 208 - 213 ROLANDO CHARPENTIER 'Practical considerations in refining soybean oil' * page 212, column 1, paragraph 5 - column 2, paragraph 4 * * page 212; table 5 * ---	1	TECHNICAL FIELDS SEARCHED (Int.Cl.5)
A	G. HOFFMANN 'The Chemistry and Technology of Edible Oils and Fats and their High Fat Products' 1989 , ACADEMIC PRESS , NEW YORK US * page 230, last paragraph - page 231, paragraph 5 * ---	1	C11C
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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
THE HAGUE	31 January 1994	Dekeirel, M

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone  
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document



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Application Number  
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A	FOOD SCIENCE & TECHNOLOGY ABSTRACTS, no. 91-11-N0012 (91062064); & PISHCHEVAYA PROMYSHLENNOST', USSR No. 2 1990, pages 42-43 G.V. SADOVNICHII ET AL.: ' Processing of rapeseed oil ' ---	1	
A	US-A-3 278 568 (ALBERT DE JONGE ET AL.) * column 3, line 44 - line 67 * * claims 1-5 * ---	1	
A	EP-A-0 348 004 (UNILEVER NV) * the whole document * -----	1	
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O : non-written disclosure		L : document cited for other reasons	
P : intermediate document		& : member of the same patent family, corresponding document	