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(54) **Process for hydrogenation of oils.**

(57) There is disclosed a process for hydrogenation of vegetable or animal oils, wherein the oil is hydrogenated, optionally in a solvent, with a hydrogen donor in the presence of a phase transfer catalyst, which reduces the iodine values of the starting materials from the values of 50 to 183 to the values of 10 to 150. According to said process, hydrogenation products having very good properties are obtained.

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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)
X	JOURNAL OF THE AMERICAN OIL CHEMISTS' SOCIETY, vol. 64, November 1987, pages 1529-1532, Champaign, IL, US; O. ARKAD et al.: "Catalytic transfer hydrogenation of soybean oil methyl ester using inorganic formic acid salts as donors" * Whole document *	1-4,6,8,9	C 11 C 3/12
X	CHEMICAL ABSTRACTS, vol. 97, 1982, page 527, abstract no. 71163u, Columbus, Ohio, US; & JP-A-57 074 042 (ASAHI DENKA KOGYO K.K.) 10-05-1982 * Abstract *	1,10	
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A	CHEMICAL ABSTRACTS, vol. 93, 1980, page 98, abstract no. 151996a, Columbus, Ohio, US; R.K. GOEL et al.: "Reduction of vegetable oils with hydrazine hydrate", & CHEM. ERA, 15(11), 15-16 * Abstract *	1,4,8	TECHNICAL FIELDS SEARCHED (Int. Cl.5) C 11 C
A	EP-A-0 108 571 (DAI-ICHI CRODA CHEMICALS K.K.) * Page 4, line 3 - page 5, line 10; example 1 *	5,7,8	
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of search 10 October 91	Examiner KANBIER D.T.
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons ----- &: member of the same patent family, corresponding document			



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A	JOURNAL OF THE AMERICAN OIL CHEMISTS' SOCIETY, vol. 56, 1979, pages 36-44, Champaign, IL, US; J.I. GRAY et al.: "Hydrogenation catalysts - Their effect on selectivity" * Pages 38,40,42,43 *	1,3,4	
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The present search report has been drawn up for all claims			
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The Hague		10 October 91	KANBIER D.T.
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document			