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[Continued on next page]

(54) Title: A PROCESS FOR THE ISOLATION OF A PHOSPHOLIPID

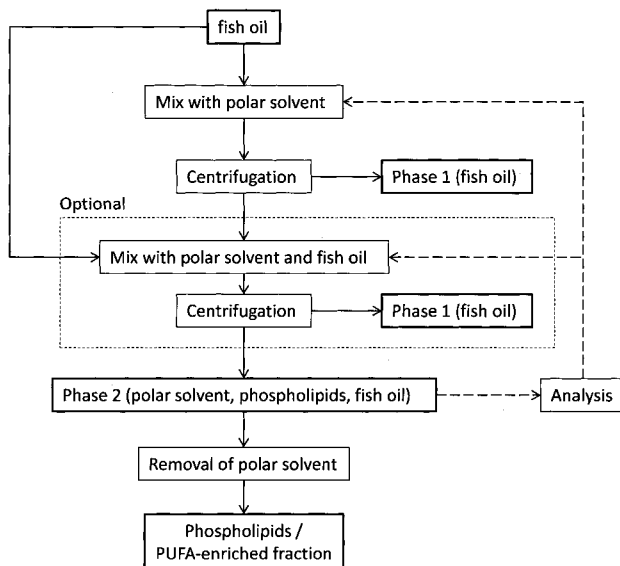


Fig. 1

(57) Abstract: The present invention relates to processes for the isolation of a phospholipid and for producing a polyunsaturated, long-chain fatty acids (PUFA)-enriched fraction from a fish oil comprising the steps of -providing a fish oil containing lipids and phospholipids; -mixing the fish oil with a polar solvent; -centrifuging the mixture of the fish oil and the polar solvent to separate a polar fraction from a lipid fraction; -isolating a phospholipid from the polar fraction or isolating a PUFA-enriched fraction from the polar fraction. The fish oil may be provided by -extracting a fish material with an extractant solvent; -removing the extractant solvent to provide the fish oil; -optionally subjecting the fish oil to a solid-liquid separation. The isolated phospholipids and PUFA's may be used as additives for functional foods, as a dietary supplement and for pharmaceutical application.





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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
 INV. C11B1/10 C11B3/00 A23D9/00 A23D9/04 A23J1/04
 A23J7/00 A23L1/326 A23L1/30

ADD.
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
 Minimum documentation searched (classification system followed by classification symbols)
 C11B A23D A23J A23L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 EPO-Internal, BIOSIS, COMPENDEX, FSTA, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	----- US 2005/129739 A1 (KOHN GERHARD [DE] ET AL) 16 June 2005 (2005-06-16) cited in the application paragraph [0037] - paragraph [0041]	1-36
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X	----- US 4 584 141 A (PAULITZ BERNHARD G A [DE] ET AL) 22 April 1986 (1986-04-22) cited in the application claims 1,2,5,9,14,15,18,25; examples	1-36
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Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents :

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Date of the actual completion of the international search 18 January 2013	Date of mailing of the international search report 25/01/2013
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Saettel, Damien
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