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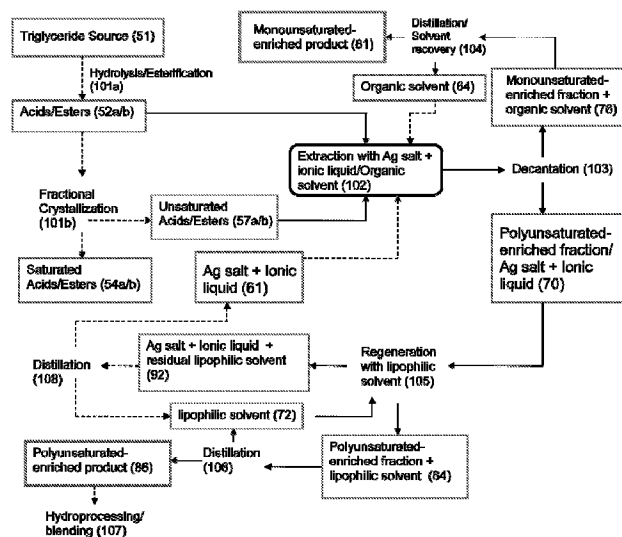
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KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD,
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[Continued on next page]

(54) Title: ENRICHMENT OF MONOUNSATURATED ACIDS/ESTERS IN VEGETABLE OIL- OR ANIMAL FAT-BASED
FEEDSTOCK USING METAL SALTS DISSOLVED IN IONIC LIQUIDS



(57) Abstract: In some embodiments, the present invention relates to an enrichment process that involves a separation and/or fractionation and/or enrichment of monounsaturated fatty acid/ester molecules from polyunsaturated fatty acid/ester molecules or, correspondingly, monounsaturated molecules from saturated molecules. Such processes are at least partially based on $\pi(\pi)$ -complexation between metal ions and unsaturated bonds of the extractable molecules (fatty acids/esters), wherein a greater degree of unsaturation provides for greater coordinating (bond) strength and corresponding selectivity in the associated π -complexation with metal ions.

Fig. 5



SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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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)

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: silver* <and> (lipid <or> fat* <or> glyceride*) <and> extract*

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5189189 A1 (MISAWA; YOSHIHISA et al.) 23 February 1993 See abstract; column 1, line 35 - column 5, line 16; examples	1-25
A	JP 2001-072993 A (NISSHIN FLOUR MILLING CO LTD) 21 March 2001 See claims; [0001] - [0004]	1-25
A	JP 2000-044983 A (MARUHA CORP) 15 February 2000 See [0001] - [0028]	1-25
A	JP 09-143488 A (NIPPON OIL & FATS CO LTD) 03 June 1997 See claims; [0002] - [0005]	1-25
A	US 2005-0129831 A1 (DIRK FABRITIUS) 16 June 2005 See claims	1-25



Further documents are listed in the continuation of Box C.



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INTERNATIONAL SEARCH REPORT

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