

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
15 March 2007 (15.03.2007)

PCT

(10) International Publication Number
WO 2007/029020 A1

(51) International Patent Classification:

C11C 3/00 (2006.01) *C11C 3/10* (2006.01)
C11C 3/08 (2006.01) *A23D 9/00* (2006.01)

(74) Agent: STEVENS, Ian; Eric Potter Clarkson LLP, Park View House, 58 The Ropewalk, Nottingham NG1 5DD (GB).

(21) International Application Number:

PCT/GB2006/003345

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(22) International Filing Date:

8 September 2006 (08.09.2006)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

05255491.2 8 September 2005 (08.09.2005) EP

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): LODERS CROKLAAN B.V. [NL/NL]; Hogeweg 1, NL-1521 AZ Wormerveer (NL).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): HARRIS, John, Bernard [GB/NL]; Loders Croklaan BV, PO Box 4, NL-1520 AA Wormerveer (NL). SCHMID, Ulrike [DE/NL]; Loders Croklaan BV, PO Box 4, NL-1520 AA Wormerveer (NL). CAIN, Frederick, William [GB/NL]; Dr. Blookerstraat 12, NL-2271 VL Voorburg (NL).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TRIGLYCERIDE PROCESS

(57) Abstract: A process for producing triglycerides which comprises: (a) subjecting a first triglyceride comprising at least 40 % by moles of oleic acid residues, based on total acyl groups in the triglyceride, to an alcoholysis reaction with an alcohol having from 1 to 6 carbon atoms to obtain a composition comprising 2- oleoyl monoglyceride and at least one acyl ester of said alcohol; (b) reacting the 2-oleoyl monoglyceride with an acylating agent comprising at least one C12 to C24 saturated fatty acid, at least one ester of said fatty acid or a mixture thereof, to obtain a 1,3- saturated fatty acid acyl 2-oleoyl glyceride; and (c) separating at least a part of the at least one acyl ester after or during step (a) or step (b); (d) reacting the acyl ester with a second glyceride to form 1,3-dioleoyl 2-palmitoyl glyceride.



WO 2007/029020 A1