



- (51) **International Patent Classification:**
A23D 9/007 (2006.01)
- (21) **International Application Number:**
PCT/US2010/024637
- (22) **International Filing Date:**
18 February 2010 (18.02.2010)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
12/372,773 18 February 2009 (18.02.2009) US
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- (81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO,

DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(88) **Date of publication of the international search report:**
20 March 2014



WO 2010/096597 A3

(54) **Title:** STABILIZATION OF PHENOLIC ANTIOXIDANTS IN FAT-CONTAINING FOODS

(57) **Abstract:** A fat-containing processed food composition is described that is suitable for human consumption, and that contains exogenously added microparticles of phenolic antioxidants dispersed but not dissolved in an antioxidant-protective edible oil/fat portion of the food composition. The oxidative stability of the phenolic antioxidants in the fat or oil portion of the food composition is substantially greater than when dissolved in an equal portion of water at pH 7.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 10/24637

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - C11B 5/00 (2010.01) USPC - 426/546 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) USPC: 426/546 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC: 426/546,580,583,598,602 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) PubWEST (PGPB,USPT,USOC,EPAB,JPAB) Google Scholar Search terms used: phenol antioxidant grape emulsion Camellia sinensis omega-3 dha epa flour oxidation water-in-oil oil-in-water																						
C. DOCUMENTS CONSIDERED TO BE RELEVANT <table border="1"> <thead> <tr> <th>Category*</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>US 2007/0098854 A1 (VAN LENGERICH et al.) 3 May 2007 (03.05.2007), entire document, especially: para [0022], [0025], [0033], [0044], [0057], [0089], [0090]</td> <td>39, 40</td> </tr> <tr> <td>Y</td> <td></td> <td>1-38</td> </tr> <tr> <td>Y</td> <td>US 2008/0044539 A1 (PERLMAN et al.) 21 February 2008 (21.02.2008), entire document, especially: para [0034]-[0035], [0050], [0090], [0200]</td> <td>1-38</td> </tr> <tr> <td>Y</td> <td>US 2007/0128301 A1 (SALTZMAN et al.) 7 June 2007 (07.06.2007), para [0015]</td> <td>10-12</td> </tr> <tr> <td>Y</td> <td>US 2005/0129643 A1 (LEPILLEUR et al.) 16 June 2005 (16.06.2005), para [0109], [0287]</td> <td>14, 21-23</td> </tr> <tr> <td>Y</td> <td>US 4,925,681 A (MAI et al.) 15 May 1990 (15.05.1990), col. 2, ln 22-31</td> <td>12</td> </tr> </tbody> </table>		Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	US 2007/0098854 A1 (VAN LENGERICH et al.) 3 May 2007 (03.05.2007), entire document, especially: para [0022], [0025], [0033], [0044], [0057], [0089], [0090]	39, 40	Y		1-38	Y	US 2008/0044539 A1 (PERLMAN et al.) 21 February 2008 (21.02.2008), entire document, especially: para [0034]-[0035], [0050], [0090], [0200]	1-38	Y	US 2007/0128301 A1 (SALTZMAN et al.) 7 June 2007 (07.06.2007), para [0015]	10-12	Y	US 2005/0129643 A1 (LEPILLEUR et al.) 16 June 2005 (16.06.2005), para [0109], [0287]	14, 21-23	Y	US 4,925,681 A (MAI et al.) 15 May 1990 (15.05.1990), col. 2, ln 22-31	12
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Date of the actual completion of the international search 16 June 2010 (16.06.2010)	Date of mailing of the international search report 23 JUN 2010																					
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201	Authorized officer: Lee W. Young PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774																					