(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 21 December 2007 (21.12.2007)

(51) International Patent Classification: A23G 3/36 (2006.01) A23G 4/06 (2006.01)

(21) International Application Number:

PCT/IB2007/052044

(22) International Filing Date: 31 May 2007 (31.05.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

06115325.0 12 June 2006 (12.06.2006) EP

(71) Applicant (for all designated States except US): FIR-MENICH SA [CH/CH]; 1, route des Jeunes, P. O. Box 239, CH-1211 Geneva 8 (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): LE, Anh [US/US]; 405 South Broad Street, Middletown, Delaware 19709 (US). MAUREL, Catherine [FR/CH]; 4, chemin Vandel, CH-1228 Plan-les-ouates (CH).

(74) Agent: DALE, Gavin; Firmenich Sa, 1, route des Jeunes P. O. Box 239, CH-1211 Geneva 8 (CH).

(10) International Publication Number WO 2007/144800 A3

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, 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, 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.

(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, MT, 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).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of
- (88) Date of publication of the international search report: 10 April 2008

(54) Title: TINGLING AND SALIVATING COMPOSITIONS

(57) Abstract: A sensate composition comprises a salivating component, a tingling component and a flavor, the salivating component being formed of at least a mixture of citric, malic and succinic acid, or of their salts, and the tingling component being formed of an ingredient selected from the group consisting of Jambu oleoresin, spilanthol, any extract containing either or both, and their mixtures. The sensate composition allows the preparation of consumer products having improved salivating properties.

INTERNATIONAL SEARCH REPORT

International application No PCT/IB2007/052044

A. CLASSIFICATION OF SUBJECT MATTER
INV. A23G3/36 A23G4 A23G4/06 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) A61K A61Q A23L A23G 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 practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Α EP 0 750 849 A1 (KAO CORP [JP]) 1,9,13 2 January 1997 (1997-01-02) page 4, line 6 - line 22 page 6, line 3 - line 12 Α US 2003/072842 A1 (JOHNSON SONYA S [US] ET 1,9,10, AL) 17 April 2003 (2003-04-17) paragraph [0028] - paragraph [0030] paragraph [0052] - paragraph [0053] paragraph [0085]; claims 3,7,8,11 WO 2004/043906 A2 (SYMRISE GMBH & CO KG Α 1,9,10, [DE]; GATFIELD IAN LUCAS [DE]; LEY JAKOB PETER [D) 27 May 2004 (2004-05-27) page 1, line 14 - page 2, line 2 page 9, line 18 - page 10, line 15 Further documents are listed in the continuation of Box C. See patent family annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the international *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention citation or other special reason (as specified) cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but in the art. later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 22 January 2008 04/02/2008 Name and mailing address of the ISA/ Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016 Gaiser, Markus

INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2007/052044

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT	18200//052044					
ategory* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.						
A WO 2005/048965 A2 (WRIGLEY W M JUN CO [US]; BAZEMORE RUSSELL A [US]; ZYCK DANIEL J [US];) 2 June 2005 (2005-06-02) paragraph [0036] paragraph [0060]; tables 1,3 paragraph [0080]	1,9,10,					
Paragraph [0080] EP 1 121 927 A2 (TAKASAGO PERFUMERY CO LTD [JP]) 8 August 2001 (2001-08-08) cited in the application abstract; claims 1,5,7,11,12,14	1,9,13					

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/IB2007/052044

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
EP 0750849	A1	02-01-1997	CN DE DE JP JP	1145810 A 69623396 D1 69623396 T2 3419957 B2 8332050 A	26-03-1997 10-10-2002 23-10-2003 23-06-2003 17-12-1996
US 2003072842	A1	17-04-2003	NON	E	
WO 2004043906	A2	27-05-2004	AU BR CN DE EP JP KR US	2003283398 A1 PI0316207 A 1711234 A 10253331 A1 1562893 A2 2006506479 T 20050074607 A 2004241312 A1	03-06-2004 11-04-2006 21-12-2005 03-06-2004 17-08-2005 23-02-2006 18-07-2005 02-12-2004
WO 2005048965	A2	02-06-2005	NONE		
EP 1121927	A2	08-08-2001	BR ID JP US US	0100254 A 29168 A 2001279227 A 2003215532 A1 6780443 B1 2004052735 A1	02-10-2001 09-08-2001 10-10-2001 20-11-2003 24-08-2004 18-03-2004