(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
29 January 2009 (29.01.2009)

PCT

(10) International Publication Number
WO 2009/012930 A3

(51) International Patent Classification:
A23G 1/00 (2006.01)

(21) International Application Number:
PCT/EP2008/005860

(22) International Filing Date: 17 July 2008 (17.07.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0714389.4 21 July 2007 (21.07.2007) GB

(71) Applicant *(for all designated States except US)*: **BARRY CALLEBAUT AG** [CH/CH]; P.O. Box 8021, Zurich (CH).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **RUMBAUT, Luc, Joseph, Paul, Antoine, Marie** [BE/BE]; Barry Callebaut Belgium N.V., Aalstrerestraat 122, B- 9280 Wieze (BE).

WEETJENS, Rik, Jan, Theo [BE/BE]; Barry Callebaut Belgium N.V., Aalstrersestraat 122, B-9280 Wieze (BE).

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

(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, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

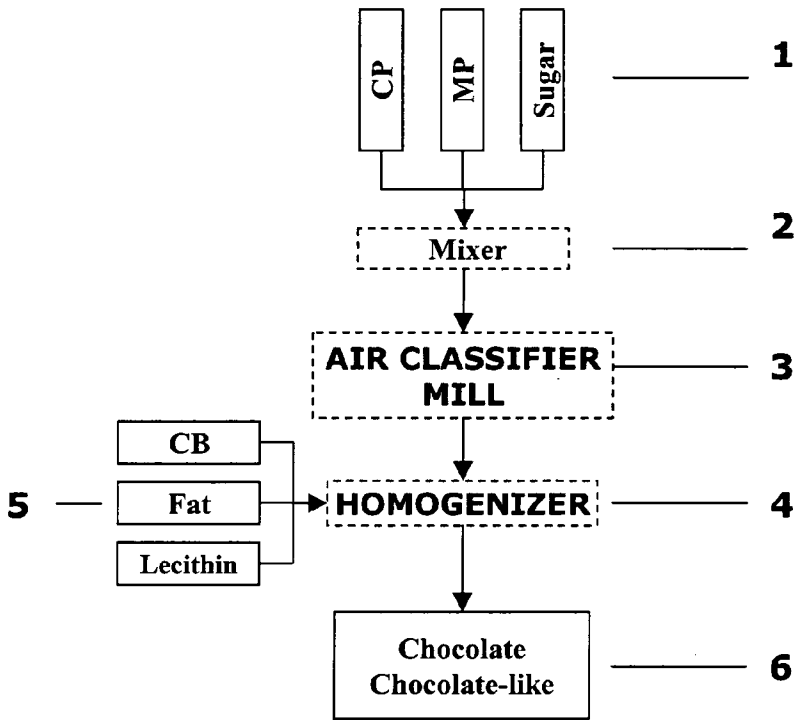
(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: PROCESS AND PRODUCT

(57) Abstract: A process for producing a chocolate or chocolate-like product comprising: (i) dry grinding a mixture of solid components of chocolate or a chocolate-like product; and (ii) homogenizing the ground mixture with fat to form a liquid chocolate or chocolate-like product.

Fig.1



WO 2009/012930 A3

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

(88) Date of publication of the international search report:
2 April 2009

Published:
— *with international search report*

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2008/005860

A. CLASSIFICATION OF SUBJECT MATTER
INV. A23G1/00

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)
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, WPI Data, FSTA, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 017 645 A (ZICCARELLI SALVATORE F) 12 April 1977 (1977-04-12) the whole document	1-23
A	BOLENZ SIEGFRIED ET AL: "Pre-dried refiner flakes allow very short or even continuous conching of milk chocolate" EUROPEAN FOOD RESEARCH AND TECHNOLOGY, vol. 226, no. 1-2, November 2007 (2007-11), pages 153-160, XP002505658 Published online: 10 January 2007 ISSN: 1438-2377 the whole document	1-23
A	US 5 676 995 A (CULLY KEVIN JOHN [US] ET AL) 14 October 1997 (1997-10-14) the whole document	1-23

-/--

[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"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 invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention 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 in the art.

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
26 November 2008	16/01/2009

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, Fax: (+31-70) 340-3016	Vernier, Frédéric

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2008/005860

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/118708 A1 (KAISER JOHN M [US] ET AL KAISER JOHN M [US] ET AL) 26 June 2003 (2003-06-26) the whole document _____	1-23

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/EP2008/005860

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4017645 A	12-04-1977	NONE	
US 5676995 A	14-10-1997	AT 410747 B	25-07-2003
		AU 5443096 A	24-12-1996
		CA 2196577 A1	12-12-1996
		CH 690640 A5	30-11-2000
		DE 19680669 T0	18-09-1997
		DK 12797 A	25-03-1997
		ES 2131486 A1	16-07-1999
		FI 970472 A	04-04-1997
		GB 2305105 A	02-04-1997
		LU 90023 A1	16-04-1997
		SE 520657 C2	05-08-2003
		SE 9700453 A	19-02-1997
		WO 9639045 A1	12-12-1996
US 2003118708 A1	26-06-2003	AT 345695 T	15-12-2006
		AU 9326801 A	26-03-2002
		AU 2001293268 A2	26-03-2002
		CA 2421855 A1	21-03-2002
		CN 1468062 A	14-01-2004
		DE 60124741 T2	13-09-2007
		EP 1317183 A2	11-06-2003
		JP 2004508063 T	18-03-2004
		WO 0221946 A2	21-03-2002
		US 6521278 B1	18-02-2003