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Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

Published:

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

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(88) Date of publication of the international search report:

3 March 2011

(54) Title: LOW-CALORIE DAIRY PRODUCTS

(57) Abstract: The present invention pertains to fermented dairy products with reduced caloric values, in particular to low-fat, milkshakes and smoothies having reduced amounts in sugar. The dairy products of the invention comprise gelatine. They have high foaming rates and are stable over time. Further, the present invention also relates to processes and kits-of-parts for obtaining said dairy products.



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INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2010/055215

A. CLASSIFICATION OF SUBJECT MATTER
INV. A23C9/152 A23L1/0562 A23L1/308
ADD.

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)
A23C A23L

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, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 969 534 A (PAVEY ROBERT L ET AL) 13 July 1976 (1976-07-13)	1-5,7
Y	* abstract columns 2,3	6
X	----- DATABASE GNPD [Online] Mintel; September 2004 (2004-09), Anonymous: "Bifidus Muesli & Fibras Fermented Milk", XP002610697, Database accession no. 302453 the whole document ----- -/--	1,3-5,7

Further documents are listed in the continuation of Box C.

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

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Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No

PCT/EP2010/055215

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE GNPD [Online] Mintel; August 2008 (2008-08), anonymous: "Pink grapefruit mousse", XP002610698, Database accession no. 963013 the whole document</p> <p>-----</p>	1,3-5,7
X	<p>DATABASE GNPD [Online] Mintel; April 2008 (2008-04), anonymous: "White cheese mousse with fruits", XP002610699, Database accession no. 889515 the whole document</p> <p>-----</p>	1,3-5,7
X	<p>DATABASE GNPD [Online] Mintel; April 2008 (2008-04), anonymous: "Fruits & Fibres Yogurt", XP002610700, Database accession no. 895925 the whole document</p> <p>-----</p>	1,3-5,7
X	<p>US 2007/178213 A1 (KETCHMARK JENNIFER L [US] ET AL) 2 August 2007 (2007-08-02) paragraphs [0002], [0014] - [0032], [0040], [0065], [0066], [0080]</p> <p>-----</p>	8-11
X	<p>WO 2008/097088 A1 (TOECA INTERNAT COMPANY B V [NL]; BOEKHOORN MARCEL MARTINUS JACO [NL];) 14 August 2008 (2008-08-14) claim 1</p> <p>-----</p>	16
X	<p>EP 1 481 591 A1 (FRIESLAND BRANDS BV [NL]) 1 December 2004 (2004-12-01)</p>	17
Y	<p>paragraphs [0003], [0007], [0009], [0013], [0015], [0018], [0019], [0022], [0039] - [0044], [0050], [0052]; claims 1,6; example 2</p> <p>-----</p>	6
X	<p>US 6 969 530 B1 (CURTIS JONATHAN MICHAEL [CA] ET AL) 29 November 2005 (2005-11-29) claims 1,80-82</p> <p>-----</p>	16
A	<p>ROTHER J: "SPEISEGELATINE IN DER MILCHWIRTSCHAFT", DEUTSCHE MILCHWIRTSCHAFT, HILDESHEIM, DE, vol. 44, no. 21, 1 January 1993 (1993-01-01), pages 1050-1053, XP002071626, ISSN: 0012-0480 the whole document</p> <p>-----</p>	1-19

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INTERNATIONAL SEARCH REPORT

International application No

PCT/EP2010/055215

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>LAL S N D ET AL: "Application of emulsifiers/stabilizers in dairy products of high rheology", ADVANCES IN COLLOID AND INTERFACE SCIENCE, ELSEVIER, NL, vol. 123-126, 16 November 2006 (2006-11-16), pages 433-437, XP025061765, ISSN: 0001-8686, DOI: DOI:10.1016/J.CIS.2006.05.009 [retrieved on 2006-11-16] the whole document</p> <p>-----</p>	1-19
A	<p>SUPAVITITPATANA ET AL: "Addition of gelatin enhanced gelation of corn-milk yogurt", FOOD CHEMISTRY, ELSEVIER LTD, NL, vol. 106, no. 1, 29 August 2007 (2007-08-29), pages 211-216, XP022219854, ISSN: 0308-8146, DOI: DOI:10.1016/J.FOODCHEM.2007.05.058 the whole document</p> <p>-----</p>	1-19
A	<p>EP 0 777 969 A1 (VER COOP MELKIND [NL] FRIESLAND BRANDS BV [NL]) 11 June 1997 (1997-06-11) the whole document</p> <p>-----</p>	1-19

INTERNATIONAL SEARCH REPORT

International application No.
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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-15, 17-19

Fermented dairy product comprising 0.5-0.9% of gelatine and 0.0-0.2% of fat, Kit-of-part comprising such a product and use of gelatine in the manufacture of such a fermented dairy product.

2. claim: 16

Vending machine comprising means for blending and means for cooling.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2010/055215

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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			DE 69628991 T2	27-05-2004
			DK 777969 T3	20-10-2003
			NL 1001689 C2	21-05-1997