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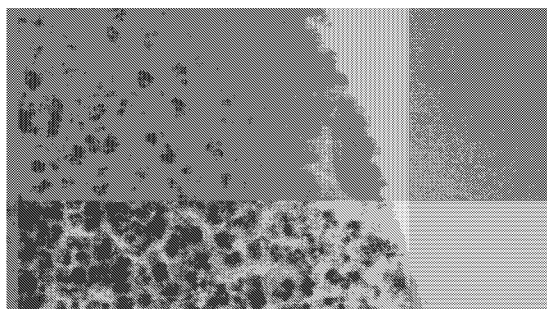
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(54) Title: COMPOSITIONS COMPRISING FERMENTED SEAWEED AND/OR ALGAE

A



B

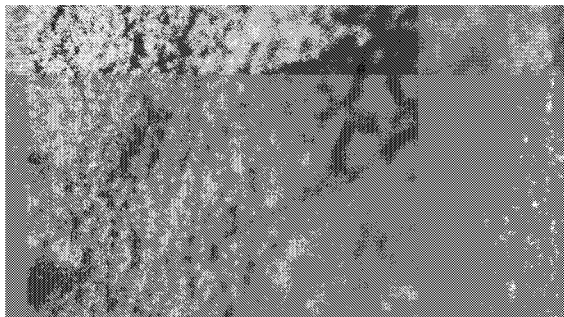


Fig. 1

(57) Abstract: The present invention relates to compositions
comprising fermented seaweed and/or algae. The invention also
relates to processes for providing such compositions, wherein
the fermentation times are prolonged to increase bioavailability
of the nutrients.



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- *of inventorship (Rule 4.17(iv))*

INTERNATIONAL SEARCH REPORT

International application No
PCT/DK2014/050190

A. CLASSIFICATION OF SUBJECT MATTER
INV. A23L1/325 A23K1/14 C12P7/06 C12R1/225
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)
A23L A23K C12P C09K C12R

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 practicable, search terms used)

EPO-Internal, WPI Data, BIOSIS, FSTA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE WPI Week 201327 Thomson Scientific, London, GB; AN 2013-E47117 XP002729212, & CN 102 783 582 A (ANHUI WULIANGTAI BIOLOGICAL ENG CO LTD) 21 November 2012 (2012-11-21)	1-24, 31-39
Y	abstract	8,9
X	WO 2012/127004 A1 (FERMENTATIONEXPERTS AS [DK]; LEGARTH JENS HOFFNER [DK]) 27 September 2012 (2012-09-27) page 8; claims 1,5,6,7,12,16	1-24, 31-39
X	EP 1 854 469 A1 (SUNTORY LTD [JP]) 14 November 2007 (2007-11-14) claims 4,8	1-24, 31-39
	----- -/-	



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

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"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

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"&" document member of the same patent family

Date of the actual completion of the international search

3 September 2014

Date of mailing of the international search report

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Name and mailing address of the ISA/

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International application No
PCT/DK2014/050190

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2007/269555 A1 (JENSEN JESPER F [DE] ET AL) 22 November 2007 (2007-11-22) paragraph [0005] - paragraph [0006] -----	8,9
Y	WO 2010/027117 A1 (MARINE BIOPROCESS CO LTD [KR]; LEE BAE JIN [KR]; KIM YOUNG MOG [KR]; L) 11 March 2010 (2010-03-11) claim 3 -----	8,9
X	DATABASE WPI Week 201364 Thomson Scientific, London, GB; AN 2013-P42374 XP002729213, & CN 103 039 696 A (FANG X) 17 April 2013 (2013-04-17) abstract -----	1
X	DATABASE WPI Week 200345 Thomson Scientific, London, GB; AN 2003-472904 XP002729214, & JP 2003 000201 A (DOKURITSU GYOSEI HOJIN SUI SAN SOGO KENKY) 7 January 2003 (2003-01-07) abstract -----	38
X	DATABASE BIOSIS [Online] BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; August 2011 (2011-08), CHU WAN-LOY: "POTENTIAL APPLICATIONS OF ANTIOXIDANT COMPOUNDS DERIVED FROM ALGAE", XP002729215, Database accession no. PREV201100723528 abstract -----	39

INTERNATIONAL SEARCH REPORT

International application No.
PCT/DK2014/050190

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.:

1-24(completely); 31-39(partially)

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: 1-24(completely); 31-39(partially)

process based on fermented seaweed or algae (sea product) which is enhanced by addition of proteinaceous plant material (non-sea product) and a second fermentation, as defined in claim 1

2. claims: 25-28(completely); 31-39(partially)

fermentation process of seaweed or algae material, it is characterised by TWO seaweed/algae fermentation steps (one short one and one long one), as further defined in claim 25

3. claims: 29, 30(completely); 31-39(partially)

process of fermented seaweed or algae material, it is characterised by a very long single fermentation step (at least 15 days), as further defined in claim 29.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/DK2014/050190

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