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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PET FOOD TREAT AND METHOD OF MAKING SAME

(57) Abstract: A food product and method of making the same are disclosed. The food product is preferably made of a processed Sorghum grain, and preferably from hybrids of Milo. The grain is subjected to decortication and extrusion. Additives may be provided to flavor or otherwise nutritionally enhance the processed Milo. The additives are added prior to extrusion. The food product may be made from other grains or tubers by removing the starch and then using the starch to extrude the food product. A final food product may be achieved by further processing of the extruded grain. Further processing may include molding, baking, or pelletizing.

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/013547

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A23K1/00 A23K1/14 A23K1/16 A23L1/10

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)

IPC 7 A23K 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, PAJ, COMPENDEX, 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	<p>US 3 446 628 A (SCHOCH THOMAS J ET AL) 27 May 1969 (1969-05-27)</p> <p>column 3, lines 56-62 column 5, paragraphs 2,3 examples 2,4</p> <p align="center">----- -/--</p>	<p>1-10, 14-27, 30-36</p>

Further documents are listed in the continuation of box C.

Patent family members are listed in 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

26 October 2004

Date of mailing of the international search report

14 MAR 2005

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/013547

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>FALCONE R G ET AL: "EFFECTS OF FEED COMPOSITION, FEED MOISTURE, AND BARREL TEMPERATURE ON THE PHYSICAL AND RHEOLOGICAL PROPERTIES OF SNACK-LIKE PRODUCTS PREPARED FROM COWPEA AND SORGHUM FLOURS BY EXTRUSION" JOURNAL OF FOOD SCIENCE, INSTITUTE OF FOOD TECHNOLOGISTS. CHICAGO, US, vol. 53, no. 5, 1 September 1988 (1988-09-01), pages 1464-1469, XP000000646 ISSN: 0022-1147 page 1464, column 2, paragraph 2 - page 1465, column 1, paragraph 4</p>	<p>1-4, 6-10, 14-17, 19-24, 27, 30-33, 35,36</p>
X	<p>----- DATABASE MEDLINE [Online] US NATIONAL LIBRARY OF MEDICINE (NLM), BETHESDA, MD, US; March 1992 (1992-03), MARTÍNEZ F ET AL: "[Chemical changes in sorghum during the extrusion and tortilla preparation process]" XP002300549 Database accession no. NLM1308646 abstract & ARCHIVOS LATINOAMERICANOS DE NUTRICION. MAR 1992, vol. 42, no. 1, March 1992 (1992-03), pages 52-58, ISSN: 0004-0622</p>	<p>1,2,4, 6-10,14, 15,17, 19-22, 24,26, 27,30, 31,33, 35,36</p>
X	<p>----- GOMEZ M H ET AL: "EXTRUSION-COOKING OF SORGHUM CONTAINING DIFFERENT AMOUNTS OF AMYLOSE" JOURNAL OF FOOD SCIENCE, INSTITUTE OF FOOD TECHNOLOGISTS. CHICAGO, US, vol. 53, no. 6, 1 November 1988 (1988-11-01), pages 1818-1822, XP000008194 ISSN: 0022-1147 page 1818, column 1, paragraph 4 - column 2, paragraph 3</p>	<p>1-10, 14-17, 19-24, 26,27,30</p>
A	<p>----- DATABASE WPI Section Ch, Week 198312 Derwent Publications Ltd., London, GB; Class C03, AN 1983-28378K XP002300550 & JP 58 023754 A (NISSHIN FLOUR MILLING CO) 12 February 1983 (1983-02-12) abstract</p>	<p>1-10, 14-27,30</p>
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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/013547

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	TITGEMEYER, E., SHIRLEY, J. E.: "Effect of processed grain sorghum and expeller on performance of lactating cows" JOURNAL OF DAIRY SCIENCE., vol. 80, 1997, pages 714-721, XP002300548 USAMERICAN DAIRY SCIENCE ASSOCIATION. CHAMPAIGN, ILLINOIS. the whole document -----	1-10, 14-27,30

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2004/013547

Box 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 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 fee, this Authority did not invite payment of any additional fee.

- 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.:

1-10, 14-27, 30-36

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- 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: 1-10,14-27,30-36

A method of producing a molded extruded food product using Milo

2. claims: 11-13,28-29, 37

A method of producing a extruded and molded food product using grains.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No PCT/US2004/013547

Patent document cited in search report	A	Publication date	Patent family member(s)	Publication date
US 3446628	A	27-05-1969	BE 689630 A DE 1692365 B1 GB 1163598 A NL 6616071 A ,B	16-05-1967 27-04-1972 10-09-1969 16-05-1967
JP 58023754	A	12-02-1983	JP 1016458 B JP 1531832 C	24-03-1989 24-11-1989