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(72) Inventor; and

(71) Applicant : **SEPEHR, Cyrus, A.** [US/US]; P.O. Box 4088, West Hills, CA 91308 (US).

(74) Agents: **CHOI, Hoon** et al.; Jones Day, 222 East 41st Street, New York, NY 10017-6702 (US).

(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, BN, BR, BW, BY, BZ, CA, CH, CL, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ,

[Continued on next page]

(54) Title: CONSUMER ORIENTED SYSTEM FOR DELIVERY OF PRODUCT INCLUDING SINGLE SERVING PACKAGE FOR PRESERVATIVE-FREE FRUIT PIECES

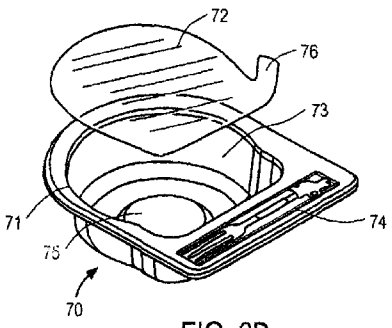


FIG. 6B

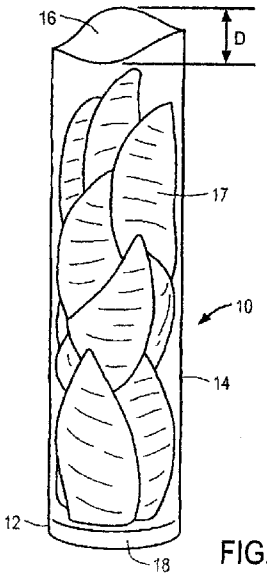


FIG. 1B

(57) Abstract: A consumer-oriented method of processing and packaging single serving packages is provided that improves convenience and safety, reduces pathogens and spoilage, and promotes improved dietary intake, while extending refrigerated shelf life, wherein fruit is processed to create ready-to-eat single serving packages of preservative-free fruit pieces that may be readily consumed without utensils, and which may include a cold pasteurization processing step that significantly extends refrigerated shelf life beyond that attainable using conventional fruit processing methods.

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TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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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:
26 September 2013

INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER
INV. B65D75/20 B65D75/32 B65D85/34 A23B7/04 A23L1/212
A23L3/015 B65B25/04
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)
B65D A23B A23L B65B

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2011/128553 A1 (BEAUMONT LAURENT [FR]) 20 October 2011 (2011-10-20)	21,24, 26,27, 29,31,32
Y	page 2, line 20 - page 15, line 19 figures 1-5,6A-D	1-8,10, 11,13, 14,16, 17,22, 23,30, 36,37,40

Y	EP 1 733 871 A1 (WIPAK WALSRODE GMBH & CO KG [DE]) 20 December 2006 (2006-12-20) paragraph [0006] - paragraph [0044]	1,4,5, 16,17, 22,23, 30,34,35

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[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 application or patent but published on or after the international filing date

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"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
22 May 2013	31/07/2013

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	Duc, Emmanuel

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2012/067776

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 2005/112252 A1 (TEWARI GAURAV [US]) 26 May 2005 (2005-05-26) paragraph [0037] - paragraph [0039]	1-3,6-8, 10,11, 13,14, 30,36, 37,40
X	WO 2011/109077 A1 (DEL MONTE CORP [US]; PALLESCHI MELISSA ANNE [US]; NAFISI-MOVAGHAR KARI) 9 September 2011 (2011-09-09)	15-20, 33,36-41
Y	paragraph [0017] - paragraph [0043] figure 1	34,35
A	GB 2 365 749 A (BARFOOTS OF BOTLEY LTD [GB]) 27 February 2002 (2002-02-27) figure 3	19,33-40
A	US 2009/196969 A1 (GUZMAN MIGUEL [US]) 6 August 2009 (2009-08-06) paragraph [0023]	41
A	US 2005/233039 A1 (WOLFE STEVEN K [US] ET AL) 20 October 2005 (2005-10-20) paragraph [0021] figure 1	41

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/US2012/067776

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2011128553 A1	20-10-2011	CA 2796019 A1	20-10-2011
		EP 2558382 A1	20-02-2013
		FR 2958917 A1	21-10-2011
		FR 2958918 A1	21-10-2011
		WO 2011128553 A1	20-10-2011
EP 1733871 A1	20-12-2006	DE 102005027811 A1	21-12-2006
		EP 1733871 A1	20-12-2006
US 2005112252 A1	26-05-2005	NONE	
WO 2011109077 A1	09-09-2011	CA 2791028 A1	09-09-2011
		US 2011217435 A1	08-09-2011
		WO 2011109077 A1	09-09-2011
GB 2365749 A	27-02-2002	NONE	
US 2009196969 A1	06-08-2009	NONE	
US 2005233039 A1	20-10-2005	NONE	

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/067776

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.:

1-8, 10, 11, 13-24, 26, 27, 29-41

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: 1-8, 10, 11, 13-24, 26, 27, 29-41

   Cold pasteurization process of a single serving package

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2. claims: 9, 25

   Gusset

   ---

3. claims: 12, 28

   Headspace of less than 0.5 ounce (14.2 g)
