

Search history

Search 1: IC=(A23B7) (Results 39829)
Search 2: 1 and (valve near solenoid) (Results 251)
Search 3: 2 and seal (Results 49)
Search 4: 3 and PD<20160420 (Results 44)
Search 5: 4 and cylind* (Results 31)

Title: AQ. FERMENTATION OF FRUITS - E.G. COFFEE BERRIES, COCOA BEANS, COLA NUTS ETC., RECYCLING THROUGH FERMENTATION LOCK SIPHON AFTER SEPN. OF KERNELS ETC. (BR 19.9.78)

Abstract: Pre-cleaned fruits are pumped in suspension in water into an enclosed fermenting vessel and floating fruits are discarded by surface overflow which is then closed off. The fermentation proceeds and is agitated as necessary. During fermentation the flesh of the fruits becomes hydrolysed and breaks away from the stones or kernels. Water with hydrolysed fruit flesh in suspension is drained off and the remaining kernels flushed through with water which is also drained away. The kernels are dried and prepared for sale. Fermenting fruit is pref. carried up a riser pipe by pressurised gas, e.g. CO₂ from fermentation or injected air. The riser pipe delivers fruit into a receiver from which it is returned to the fermentstaoin vessel via a hydraulic fermentation lock siphon. This recycling of fruit continues for several hours. A gas pressure relief lock, pref. of the siphon type, periodically vents the vessel to atmos. so that pressure is reduced and fruit is allowed to re-enter the vessel via the fermentation lock siphon.

Classifications:

International (IPC 8-9): A23B7/10 A23F5/02 A23G1/02

A23N5/00 (Advanced/Invention);

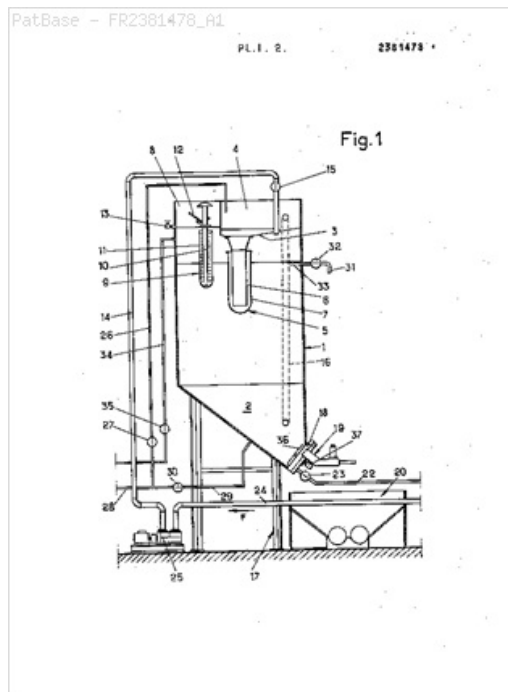
A23B7/10 A23F5/00 A23G1/02 A23N5/00 (Core/Invention)

International (IPC 1-7): A23B7/10 A23F1/02 A23F5/02 A23G1/02

A23L1/218 A23L1/36 A23N5/00

CPC: A23B7/10 A23F5/02 A23G1/02 A23N5/00

European: A23B7/10 A23F5/02 A23G1/02 A23N5/00



Family:

Publication number	Publication date	Application number	Application date
BR7801076 A	19780919	BR19780001076	19780222
FR2381478 A1	19780922	FR19770005385	19770224
FR2381478 B1	19790907	FR19770005385	19770224
OA5603 A	19810430	OA19770056105	19770317

Priority:

FR19770005385 19770224

Probable Assignee: BLACHERE ET CIE COMPTOIRS INDL

Assignee(s): (std): BLACHERE AND CIE ; BLACHERE ET CIE COMPTOIRS INDL ; COMPTOIRS IND REUNIS BLACHERE

Assignee(s): COMPTOIRS INDUSTRIELS REUNIS BLACHERE ET CIE ; BLACHERE ET CIE COMPTOIRS INDL ; BLACHERE AND CIE COMPTOIRS IND REUNIS

Inventor(s): (std): BLACHERE M

Title: Method for packaging perishable products

Abstract: A method and apparatus for packaging perishable products is disclosed, said method and apparatus enabling the alteration of the gaseous environment surrounding a given product. The packaging system can be readily prepared for immediate transport and aging, retail display and consumer freezing. The present system comprises a relatively rigid tray which is **sealed** with a flexible gas impermeable cover, said tray being provided with a resealable septum valve. The tray is also preferably provided with a plurality of protrusions or mounds so as to facilitate gas flow and contact with a given perishable product. The atmosphere in the packaging system may be modified to inhibit bacterial decay of the product and/or to enhance its appearance. Likewise, the package may be prepared for freezing by drawing a substantial vacuum within the packaging system.

Classifications:

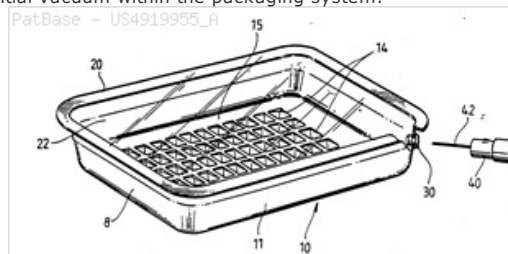
International (IPC 8-9): A23B4/16 A23B5/10 A23B7/148 A23B7/152 A23L3/34 A23L3/3409 A23L3/3418 A23L3/3445 B01D11/02 B31B31/02 B65B25/00 B65B31/00 B65B31/02 B65B31/04 B65B31/08 B65D81/20 B65D81/24 G01N30/02 G09F19/12 G09F23/08 (Advanced/Invention); A47G19/22 G01N30/00 G01N30/02 G01N30/06 G01N30/30 G01N30/32 (Advanced/Non-invention); A23B4/14 A23L3/34 B31B31/00 B65B25/00 B65B31/00 B65B31/04 B65D81/20 B65D81/24 G09F19/12 G09F23/00 (Core/Invention); A47G19/22 G01N30/00 (Core/Non-invention); A23L B65B (Subclass/Invention)

International (IPC 1-7): A23B4/08 A23B4/09 A23B4/16 A23B5/05 A23B5/055 A23B5/10 A23B7/05 A23B7/055 A23B7/144 A23B7/148 A23B7/152 A23L3/34 A23L3/3409 A23L3/3418 A23L3/3445 A47G19/22 B01D15/08 B31B31/02 B65B25/00 B65B31/00 B65B31/02 B65B31/04 B65D81/20 B65D81/24

CPC: B65B31/08 B65D81/20 G01N30/02 B65B31/04 A23B4/16 A23L3/3409 A23L3/3418 B65B25/001 A23B5/10 A23B7/148 A23B7/152 A23L3/3445 B01D11/0203 G01N2030/009 G01N2030/062 G01N2030/303 G01N2030/326 G01N2030/0095

European: A23B4/16 A23B5/10 A23B7/148 A23B7/152 A23L3/3409 A23L3/3418 A23L3/3445 B01D11/02B B65B25/00A B65B31/04 B65B31/08 B65D81/20 S01N30/00E S01N30/00F S01N30/02 S01N30/06A S01N30/30D S01N30/32C

US: 206/213.1 210/181 210/198.2 210/541 210/634 210/656 210/659 422/70 426/112 426/129 426/263 426/312 426/316 426/320 426/321 426/326 426/327 426/332 426/333 426/335 426/392 426/393 426/394 426/396 426/404 426/410 426/418 426/518 426/524 426/602 53/432 53/434 53/510 53/512 96/101



Family:

Publication number	Publication date	Application number	Application date
AT118421 E	19950315	AT19910908769T	19910419
AT98842 E	19940115	AT19910908348T	19910417
AU198945022 A1	19910428	AU19890045022	19891005
AU199177476 A1	19911111	AU19910077476	19910417
AU199177585 A1	19911111	AU19910077585	19910419
AU199177782 A1	19911111	AU19910077782	19910417
AU200036438 A1	20001130	AU20000036438	20000526
AU200036438 A5	20001130	AU20000036438	20000526
AU636310 B2	19930429	AU19890045022	19891005
AU639336 B2	19930722	AU19910077476	19910417
AU779055 B2	20050106	AU20000036438	20000526
CA2080911 AA	19921019	CA19912080911	19910417
CA2080912 AA	19921019	CA19912080912	19910419
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DE69107452 D1	19950323	DE19916007452	19910419
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DK105991 A	19910703	DK19910001059	19910604
DK105991 A0	19910604	DK19910001059	19910604
EP0494856 A1	19920722	EP19890912175	19891005
EP0525065 A1	19930203	EP19910908348	19910417
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EP1055371 A4	20001115	EP20000304441	20000525
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FI924723 A	19921019	FI19920004723	19921019
FI924723 A0	19921019	FI19920004723	19921019
JP3154479 B2	20010409	JP19890504453T	19891005
JP5500197 T2	19930121	JP19890504453T	19891005
JP5506150 T2	19930916	JP19910508058T	19910417
JP5507036 T2	19931014	JP19910508394T	19910419
NO924047 A	19921216	NO19920004047	19921019
NO924047 A0	19921019	NO19920004047	19921019
NO924047 L	19921216	NO19920004047	19921019
NO924048 A	19921125	NO19920004048	19921019
NO924048 A0	19921019	NO19920004048	19921019
NO924048 L	19921125	NO19920004048	19921019
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US4919955 A	19900424	US19880214195	19880627	
US5087360 A	19920211	US19900510987	19900419	
US5147538 A	19920915	US19910790190	19911108	
US5352467 A	19941004	US19920880869	19920511	
US5481852 A	19960109	US19930101235	19930624	
US5597599 A	19970128	US19940323439	19941004	
US6210730 BA	20010403	US19990318161	19990525	
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Priority:

US19870094384	19870908	US19880214195	19880627	AU19890045022	19891005
JP19890504453T	19891005	WO1989US04408	19891005	US19900510938	19900419
US19900510947	19900419	US19900510987	19900419	US19910649583	19910201
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US19930101235	19930624	US19940323439	19941004	US19960622746	19960327
US19990318161	19990525				

Probable Assignee: PAKOR INC

Assignee(s): (std): ELECTRIC POWER RES INST ; JERRY L MITCHELL ; MITCHELL JERRY L ; UNIV LOUISIANA STATE ; PAKOR INC

Assignee(s): PAKOR INC LIVINGSTON TEX US ; PAKOR INC A CORP OF TEXAS ; BOARD OF SUPERVISORS OF LOUISIANA STATE UNIV ; BOARD OF SUPERVISORS OF LOUISIANA STATE UNIV AND A ; LOUISIANA STATE UNIV ; LOUISIANA STATE UNIVERSITY AND AGRICULTURAL COLLEG ; LOUISIANA STATE UNIV AND AGRICULTURAL AND MECHANIC ; LOUISIANA STATE UNIVERSITY AND AGRICULTURAL COLLEGE ; ELECTRIC POWER RESEARCH INST ; ELECTRIC POWER RESEARCH INSTITUTE INC ; ELECTRIC POWER RESEARCH INST INC A CORP OF DISTRICT

Inventor(s): (std): FARR A JAMES ; FRUCHTER JONATHAN S ; MITCHELL JERRY L ; MCMILLIN KENNETH W ; JERRY L MITCHELL ; MITCHELL JERRY ; WELLS JOHN H ; SMITH BRIAN S ; WRIGHT BOB W

Inventor(s): MITCHELL JERRY L LINVINGSTON TX 77351 US ; MITCHELL JERRY L LIVINGSTON TX 77351 US

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; FB RICE; FB RICE PTY LTD; FINLAYSON AND SINGLEHURST

Designated states: AT AU BB BE BF BG BJ BR CA CF CG CH CM CY DE DK ES FI FR GA GB GR HU IE IT JP KP KR LI LK LU MC MG ML MR MW NL NO PL PT RO SD SE SN SU TD TG

Title: APPARATUS FOR CONTROLLED VENTING OF A CHAMBER

Abstract: The present invention provides apparatus and methods for adjusting the atmosphere within a substantially **sealed** chamber containing respiring produce. The chamber of the present invention includes inlet means to permit ambient atmosphere to enter the chamber, and outlet means to permit chamber atmosphere to exit the chamber. Methods using apparatus of the present invention comprise: (a) monitoring the oxygen concentration within the chamber; (b) following detection that the oxygen concentration in the chamber has fallen below a predetermined amount, opening the inlet means so that the amount of oxygen in the chamber increases; and (c) removing carbon dioxide from the chamber atmosphere substantially at a predetermined rate, the predetermined rate having been selected such that the carbon dioxide concentration within the chamber atmosphere does not substantially exceed a predetermined amount. The methods may also comprise opening the inlet means for a time that is approximately proportional to the difference between the detected oxygen concentration and an oxygen setpoint.

Classifications:

International (IPC 8-9): A23B A23B7/148 A23L A23L3/3409 A23L3/3418 B65B25/04 B65B55/00 B65D B65D81/24 B65D85/50 F16K31/06

G01N35/08 G05D11/13 G05D21/02 (Advanced/Invention);

F25D17/04 (Advanced/Non-invention);

A23B7/144 A23L3/34 B65D81/24 B65D85/50 F16K31/06 G01N35/08

G05D11/00 (Core/Invention);

F25D17/04 (Core/Non-invention);

A23L B65D (Subclass/Invention);

A23B A23L (Subclass/Non-invention)

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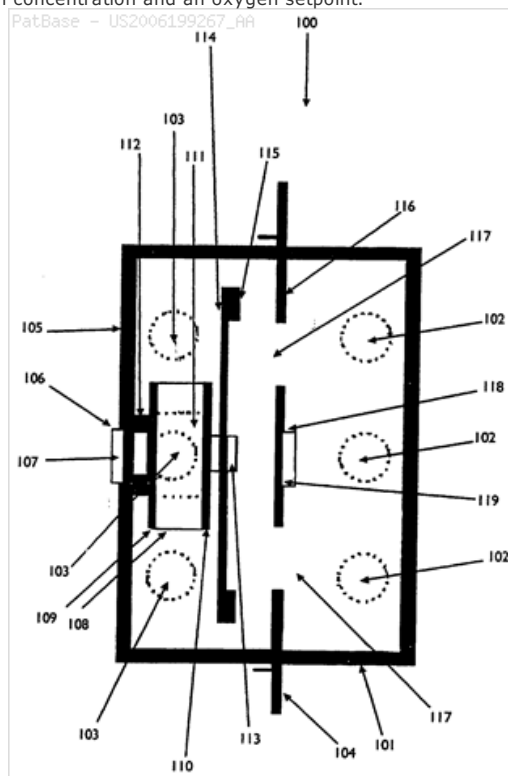
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F25D17/042 G05D11/138

European: A23B7/148 A23L3/3418 F16K31/06C2 F16K31/06C6

G05D11/13D6 R25D17/04A

US: 426/419 436/55 99/468

**Family:**

Publication number	Publication date	Application number	Application date
AT348763 E	20070115	AT19990970645T	19991019
AU200011406 A1	20000508	AU20000011406	19991019
AU200011406 A5	20000508	AU20000011406	19991019
AU658898 A0	19981112	AU1998PP06588	19981019
AU764740 B2	20030828	AU20000011406	19991019
AU864299 A0	19990311	AU1999PP08642	19990211
AU999899 A0	19990520	AU1999PP09998	19990428
DE69934520 D1	20070201	DE19996034520T	19991019
DE69934520 D1	20070201	DE19996034520	19991019
DE69934520 T2	20071004	DE19996034520T	19991019
EP1175353 A1	20020130	EP19990970645	19991019
EP1175353 A4	20040616	EP19990970645	19991019
EP1175353 B1	20061220	EP19990970645	19991019
ES2279648 T3	20070816	ES19990970645T	19991019
HK1044321 A1	20070504	HK20020105319	20020718
HK1044321 B	20070504	HK20020105319	20020718
NZ511678 A	20031031	NZ19990511678	19991019
US2006199267 AA	20060907	US20060385987	20060320
US2014242236 AA	20140828	US20140196098	20140304
US8677893 BB	20140325	US20060385987	20060320
US9032867 BB	20150519	US20140196098	20140304
WO0023350 A1	20000427	WO1999AU00909	19991019
ZA200103869 A	20020201	ZA20010003869	20010514

Priority:

AU1998PP06588 19981019	AU1999PP08642 19990211	AU19990000098 19990428
AU1999PP09998 19990428	AU20000011406 19991019	WO1999AU00909 19991019
US20010807860 20010418	US20060385987 20060320	US20140196098 20140304

Probable Assignee: MITSUBISHI AUSTRALIA LTD

Assignee(s): (std): BARKER LEIGH R ; JONES LEE J ; JORDAN RODNEY A ; LINDE GERRIT ; MITSUBISHI AUSTRALIA LTD ; SAVUR SANJAY

Inventor(s): (std): SAVUR SANJAY ; LINDE GERRIT ; JORDAN RODNEY A ; JONES LEE J ; BARKER LEIGH R ; JORDAN RODNEY ; BARKER R ; JONES J ; JORDAN A ; LEE J JONES ; RODNEY A JORDAN ; RODNEY JORDAN ; LEIGH R BARKER

Inventor(s): GERRIT LINDE ; SANJAY SAVUR ; JONES LEE ; BARKER LEIGH

Agent(s): FPA PATENT ATTORNEYS PTY LTD; ALLENS ARTHUR ROBINSON; ALLENS PATENT AND TRADE MARK ATTORNEYS; RICHARDS BUTLER; MARSH FISCHMANN AND BREYFOGLE LLP

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Title: PROCESSES FOR THE PRODUCTION OF PACKAGING MATERIAL FOR TRANSPORTING AND STORING PERISHABLE GOODS

Abstract: This invention relates to packaging materials comprising a water-impermeable outer layer bonded to a water-absorbent layer and having an inner layer that is water vapour-permeable, and to processes for the manufacture thereof. The invention also provides for the storage and/or transport of perishable goods, and in particular for the storage and transport of horticultural produce such as fruit, vegetables and cut flowers. The present invention also provides a method of regulating the O₂ content in the environment surrounding packaged perishable goods.

Classifications:

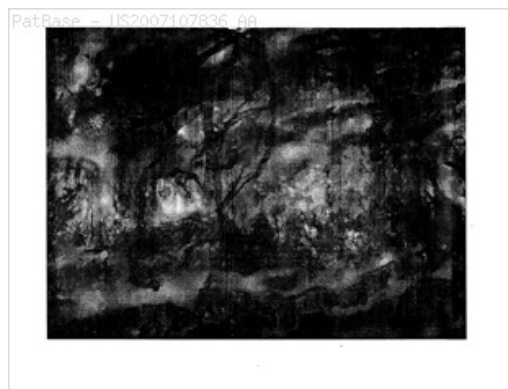
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International (IPC 1-7): A23B7/148 A23L3/3418 B32B27/32 B32B7/10 B65B25/04 B65D81/20 B65D85/34

CPC: Y10T428/1303 Y10T428/2495 Y10T428/273 A23B7/148 A23L3/3418 B32B7/10 B65B25/023 B65B25/041 B65B31/00 B65D81/2069 Y10T428/31504 Y10T428/31935 Y10T428/31938 A01N3/02 B32B7/02 B32B3/28 B32B7/12 B32B27/10 B32B27/18 B32B29/08 B32B2307/724 B32B2307/7246 B32B2307/7265 B32B2317/127 B32B2553/00 B32B27/32 B65D85/505

European: A23B7/148 A23L3/3418 B32B27/32 B32B7/10 B65B25/02B B65B25/04A B65B31/00 B65D81/20F B65D85/50B

US: 156/244.11 428/213 428/34.2 428/341 428/411.1 428/522 428/523



Family:

Publication number	Publication date	Application number	Application date
AU2004294361 AA	20050616	AU20040294361	20041203
CA2549227 AA	20060602	CA20042549227	20041203
EP1691980 A1	20060823	EP20040801123	20041203
EP1691980 A4	20090527	EP20040801123	20041203
JP2007513802 T2	20070531	JP20060541757T	20041203
US2007107836 AA	20070517	US20040581540	20041203
WO05053955 A1	20050616	WO2004AU01706	20041203
ZA200605473 A	20071227	ZA20060005473	20041203

Priority:

AU20030906706 20031203 AU20040294361 20041203 WO2004AU01706 20041203

Probable Assignee: COMMW SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION

Assignee(s): (std): STELLAR DEVELOPMENTS PTY LTD ; GIBBERD MARK RAYMOND ; SYMONS PETER JAMES ; MORGAN ROBERT JOHN ; GIBBERD MARKS R ; SYMONS PETER J ; MORGAN ROBERT J ; COMMW SCIENT IND RES ORG ; COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH OR ; IND RES ORGANISATION

Assignee(s): COMMW SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION ; COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION ; COMMW SCIENTIFIC ; COMMW SCIENTIFIC AND INDUSTRIAL RESEARCH ; COMMW SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISAT ; INDUSTRIAL RESEARCH ORGANISATION ; COMMONWEALTH SCIENTIFIC

Inventor(s): (std): JOHN MORGAN ROBERT ; MARK RAYMOND GIBBERD ; MORGAN ROBERT JOHN ; PETER JAMES SYMONS ; RAYMOND GIBBERD MARK ; ROBERT JOHN MORGAN ; SYMONS PETER JAMES ; SYMONS PETER J ; GIBBERD MARK RAYMOND ; MORGAN ROBERT J ; GIBBERD MARKS R ; JAMES SYMONS PETER

Inventor(s): GIBBERD MARKS ; MORGAN ROBERT ; GIBBERD MARKS RAYMOND ; SYMONS PETER ; MORGAN ROBERT JOJN

Agent(s): FB RICE; FB RICE PTY LTD; SIM AND MCBURNEY; COOPER AND DUNHAM LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: Immersion freezing

Abstract: ABSTRACT OF THE DISCLOSURE

A refrigeration unit for subjecting foods to a flow of gaseous refrigerant embodies a turntable with baskets having open top and bottom walls, staggered refrigerant conduits above and below the turntable, a product inlet and outlet, and air locks between a refrigerant gas inlet and outlet and the product inlet and outlet.

Classifications:

International (IPC 8-9): A23B7/04 A23L3/375 F25D13/06 F25D3/11 (Advanced/Invention);

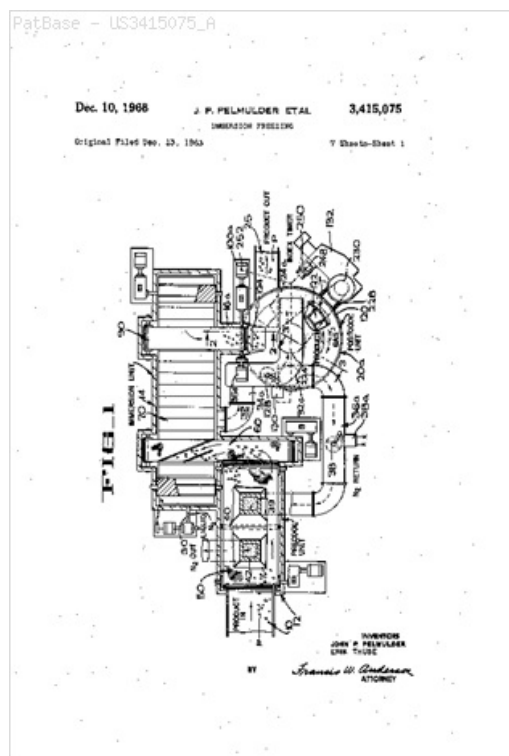
A23B7/04 A23L3/36 F25D13/00 F25D3/10 (Core/Invention)

International (IPC 1-7): F25D13/06 F25D3/10 F26B5/06

CPC: A23B7/0408 A23L3/375 F25D3/11 F25D13/065

European: A23B7/04D A23L3/375 F25D13/06B F25D3/11

US: 62/266 62/374 62/380 62/381 62/63 62/630 62/64 623/810



Family:

Publication number	Publication date	Application number	Application date
US3413818 A	19681203	US19630330298	19631213
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Priority:

US19630330298 19631213 US19670632471 19670111

Probable Assignee: FMC CORP

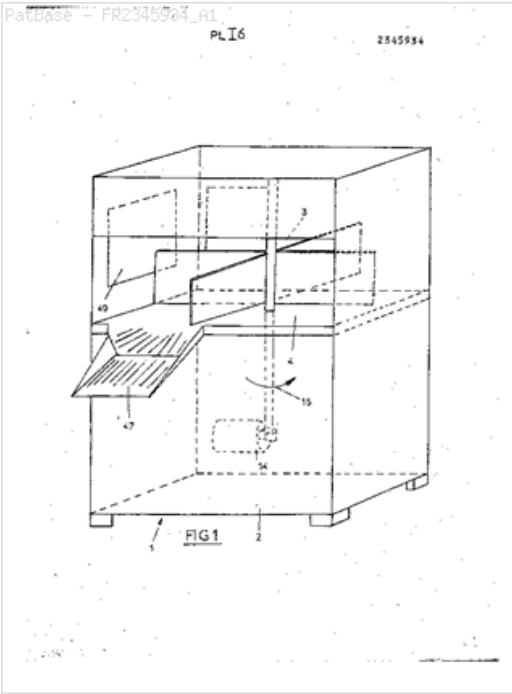
Assignee(s): (std): FMC CORP

Inventor(s): (std): THUSE ERIK ; PELMULDER JOHN P ; ERIK THUSE

Title: MACHINE FOR INJECTING LIQ. INTO FOOD ESP. BRINE INTO HAM - WITH DOSE PROPORTIONAL TO MEASURED WT. OF INDIVIDUAL ITEM

Abstract: The machine comprises a horizontal work on which a prod. is brought to each in turn of four processing stations, viz. loading, weighing, injecting and discharging stations. A cruciform rotor turns on a vertical axis in steps of 90 degrees so that a prod. between adjacent rotor blades is presented at each station in turn. The table and rotor are pref. enclosed in a casing with only a single access port adjacent the loading and discharging stations. The height of the rotor blades is sufficiently greater than the depth of the access port so that an operator cannot get his into the injecting station. Injected liq. is pref. pumped by a positive displacement pump via a **solenoid valve** which remains open for a period proportional to the signalled wt. of the same prod. item.

Classifications:
International (IPC 8-9): A23B4/28 A23B7/14 (Advanced/Invention);
A23B4/26 A23B7/14 (Core/Invention)
International (IPC 1-7): A23B4/02 A23B4/14
CPC: Y02A40/946 A23B4/285 A23B7/14
European: A23B4/28J A23B7/14



Family:

Publication number	Publication date	Application number	Application date
FR2345934 A1	19771028	FR19760010350	19760331
FR2345934 B1	19780825	FR19760010350	19760331

Priority:
FR19760010350 19760331

Probable Assignee: FOURNIER PIERRE
Assignee(s): (std): FOURNIER PIERRE

Title: FRENCH FRY POTATO BODIES AND METHOD AND APPARATUS FOR FORMING SUCH BODIES

Abstract: ABSTRACT OF THE DISCLOSURE

A machine for forming from potato dough elongate bodies that resembled potato pieces suitable for french 15 frying. The machine is arranged to move the dough through spaces between a set of parallel wires, which wires are spaced from one another by amount corresponding to the width of the piece. The length of the spaces determines the length of the potato piece. A second set of 20 parallel wires is supported in registry with the first mentioned set during dough movement; after the dough is moved by an amount corresponding to the thickness of a french fry body, the wires of the second set are moved across the dough to separate potato pieces suitable for 25 french frying. A machine for automatically synchronizing the movement of the dough and the movement of the second set of wires. A french fry potato piece formed by the apparatus which piece is characterized by an uncompressed surface.

Classifications:

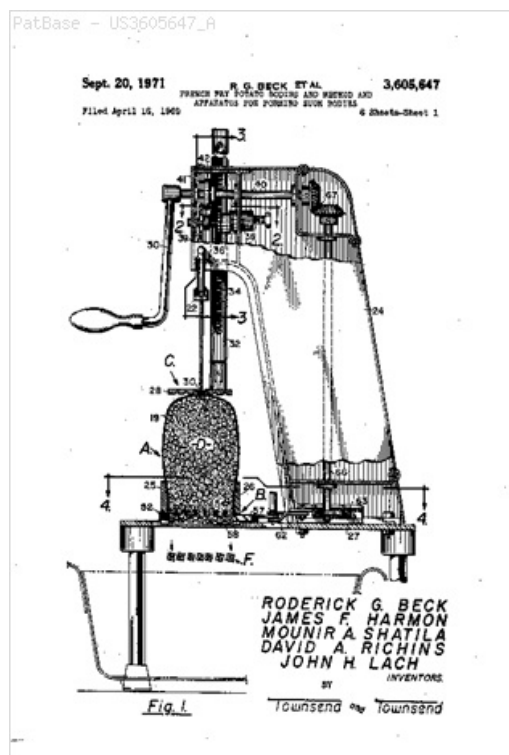
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US: 107/14 425/155 425/168 425/307 425/316 425/377 426/14.5 426/285 426/453 426/456 426/457 426/506 426/517 426/518 426/550 426/555 426/560 426/637 99/207 99/353 99/407 99/484 99/53.6 99/536 99/646LS



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BE512405 A	00000000		00000000
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FR2009843 A1	19700213	FR19690013617	19690429
FR2039197 A1	19710115	FR19690013618	19690429
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GB1274864 A	19720517	GB19680020439	19680430
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IE32799 L	19691030	IE19690000605	19690430
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US3622355 A	19711123	US19690814519	19690407
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US3789750 A	19740205	US19700069884	19700904
US3975549 A	19760817	US19740508380	19740923

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Probable Assignee: BASIC AMERICAN FOODS

Assignee(s): (std): AMERICAN POTATO CO ; AMERICAN POTATO COMPANY TE SAN FRANCISCO CALIFORNI ; HARMAN J ; RICHINS D ; SHATILA M ; LACK J ; G AND J WEIR LTD ; BECK R

Assignee(s): BECK R US ; RODERICK G BECK ; DAVID A RICHINS ; JOHN H LACH ; MOUNIR A SHATILA ; JAMES F HARMON ; LACK J US ; HARMAN J US ; SHATILA M US ; RICHINS D US ; G AND J WEIR LIMITED ; AMERICAN POTATO COMPANY TE SAN FRANCISCO CALIFORNIE VER ST V AM ; AMERICAN POTATO CY ; BASIC AMERICAN FOODS ; AMERICAN POTATO CO SAN FRANCISCO CALIF US ; AMERICAN POTATO CO SAN FRANCISCO CALIF V ST A ; AMERICAN POTATO CO TE SAN FRANCISCO CALIFORNIE VER ST V AM ; AMERICAN POTATO CO US ; AMERICAN POTATO COMPANY

Inventor(s): (std): SHATILA M A ; SHATILA M US ; RICHINS D A ; HARMON J US ; LACH J H ; HARMON J F ; LACH J US ; HARMON JAMES FORREST ; ALNED SHATILA MOUNIR ; BECK R G ; GERALD BECK RODERICK ; RICHINS D US ; BECK R US ; BECK R G US ; SHATILA M A US ; RICHINS DAVID A ; LACH JOHN HENRY ; HARMON HAMES FORRETS ; BECK RODERICK GERALD ; SHATILA MOUNIR AHMED ; BECK RODERICK GERALD ; DAVID RICHINS ; JAMES FORREST HARMON ; RODERICK GERALD BECK ; MOUNIR AHMED SHATILA ; JOHN HENRY LACH ; LACH J ; RICHINS D ; HARMON J ; SHATILA M ; BECK R ; BECK RODERICK G ; SHATILA MOUNIR A ; LACH JOHN H ; HARMON JAMES F ; HARMAN J ; LACK J ; MOUNIER A SHATILA ; RODERICK G BECK

Inventor(s): G BECK RODERICK ; A SHATILA MOUNIER ; LACH JOHN HENRY BLACKFOOT IDA ; RICHINS DAVID ; DAVID A RICHINS ; HENRY LACH JOHN ; AHMED SHATILA MOUNIR ; FORREST HARMON JAMES ; MOUNIR A SHATILA ; JAMES F HARMON ; JOHN H LACH ; A RICHINS DAVID ; HARMAN J US ; LACK J US

Title: VEGETABLE CRISPER

Abstract: A sprayer seated on at least a portion of the upper periphery of a vegetable crisper and periodically supplied with pressurized fluid for emitting through at least one orifice a spray over the vegetables held within the crisper for maintaining the freshness thereof. The sprayer preferably is an elongated ribbon-like member having a plurality of orifices and which cooperatively forms at least a partial **seal** between the upper peripheral edge of the crisper and a removable top.

Classifications:

International (IPC 8-9): A23B7/00 A23B7/04 A23B7/05 A23B7/148 A47J47/10 B65D81/24 F24F6/00 F25D11/02 F25D17/04 F25D23/00 F25D23/12 F25D25/02 (Advanced/Invention);

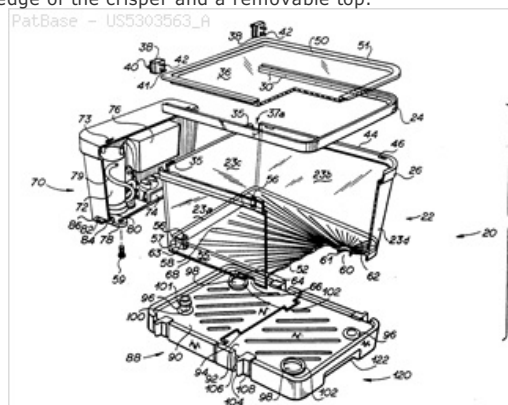
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International (IPC 1-7): A23B7/00 A23B7/04 F24F6/00 F25D11/00 F25D11/02 F25D17/02 F25D23/00 F25D23/12 F25D25/02

CPC: F25D2317/04131 A23B7/05 F25D25/025 B65D81/24 A23B7/00 A23B7/0433 A23B7/148 A47J47/10 F25D17/042

European: A23B7/00 A23B7/04F2 A23B7/05 A23B7/148 A47J47/10 B65D81/24 F25D17/04A F25D25/02A

US: 312/402 62/285 62/291 62/376 62/382 62/91 623/820



Family:

Publication number	Publication date	Application number	Application date
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CA2181174 AA	19960712	CA19952181174	19950117
EP0812132 A1	19971217	EP19950909250	19950117
EP0812132 A4	19990616	EP19950909250	19950117
JP9511054 T2	19971104	JP19950519619T	19950117
US5303563 A	19940419	US19920911186	19920709
US5417080 A	19950523	US19940181894	19940114
WO9519711 A2	19950727	WO1995US00596	19950117
WO9519711 A3	19950831	WO1995US00596	19950117

Priority:

US19920911186 19920709 US19940181894 19940114 WO1995US00596 19950117

Probable Assignee: HYDRO CRISPER INC

Assignee(s): (std): HYDRO CRISPER INC

Assignee(s): BISHOP JERRY W

Inventor(s): (std): BISHOP JERRY W ; BRAUN STEPHEN W ; PAYNE JR LEE

Inventor(s): JERRY W BISHOP

Agent(s): FINLAYSON AND SINGLEHURST

Designated states: AM AT AU BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CZ DE DK EE ES FI FR GA GB GE GN GR HU IE IT JP KE KG KP KR KZ LI LK LR LT LU LV MC MD MG ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SI SK SN SZ TD TG TJ TT UA UZ VN

Title: LETTUCE PROCESSING APPARATUS

Abstract: A method and apparatus for harvesting and processing head lettuce wherein the lettuce is shredded immediately upon harvesting and before deterioration occurs. The shredded lettuce is retained in an insulated or refrigerated enclosure and then promptly transported to a mobile processing trailer where it is further cleaned and chilled and finally packaged for shipment. The practice of the method and apparatus permits the lettuce to be on its way to the consumer on the same day that it is harvested from the field.

Classifications:

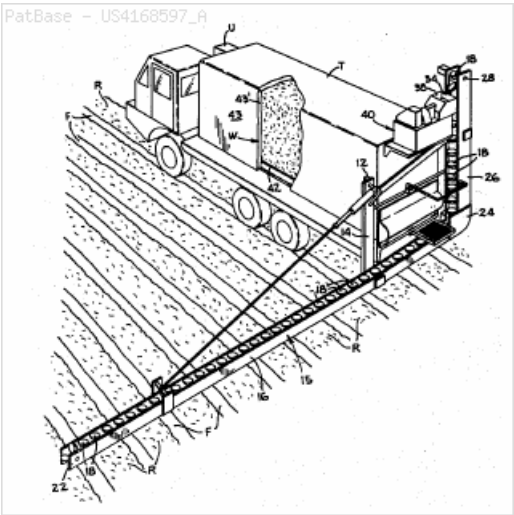
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A01D45/00 A23B7/04 (Core/Invention)

International (IPC 1-7): B65B55/00 B65B63/08

CPC: A01D45/263 A23B7/04 A23B7/0408 Y10S426/809

European: A01D45/26L A23B7/04 A23B7/04D

US: 15/3.14 426/324 426/393 426/410 426/419 426/518 426/809 53/127 53/391



Family:

Publication number	Publication date	Application number	Application date
US4168597 A	19790925	US19780881616	19780227

Priority:

US19760658273 19760217 US19780881616 19780227

Probable Assignee: BUT ANTLE INC

Assignee(s): (std): BUT ANTLE INC

Assignee(s): CASTLE AND COOKE INC ; CASTLE AND COOKE INC (C AND C) ; CASTLE AND COOKE INC C AND C ; CASTLE AND OOE INC ; CROCKER NATIONAL BANK AS COLLATERAL AGENT FOR SAID ; FIRST NATIONAL BANK OF BOSTON ; CASTLE AND OOE INC SEE DOCUMENT FOR SUBSIDIARIES ; CROCKER NATIONAL BANK COLLATERAL AGENT FOR SAID CO ; CASTLE AND OOE INC (SEE DOCUMENT FOR SUBSIDIARIES) ; CROCKER NATIONAL BANK COLLATERAL AGENT FOR SAID COMPANIES (SEE DOCUMENT) AS ; CROCKER NATIONAL BANK COLLATERAL AGENT FOR SAID COMPANIES SEE DOCUMENT AS ; BUD ANTLE INC

Inventor(s): (std): CAYTON DAVID W

Title: ULTRAFAST FOOD FREEZING EQUIPMENT BY DIRECT CONTACT WITH DOSED LIQUID NITROGEN

Abstract: The invention is related to an ultrafast freezing equipment for food contained in a packing with multiple cavities, for public sale, by applying a liquid nitrogen trickle, in an amount enough to produce an ultrafast freezing of food. Liquid nitrogen is dispensed from a container at atmospheric pressure, vacuum isolated, through a plurality of nozzles, by gravity, into the center of the upper surface for each cavity, producing short-time immersion in the individual cavity. Nitrogen gas produced is used to make a practically oxygen-free atmosphere, cold enough to maintain the freezing process after dispensing. The process diminish the amount of liquid nitrogen required as compared to other freezing processes, as well as personnel, facilities and physical space needed for install and operate it, reducing the associated costs.

Classifications:

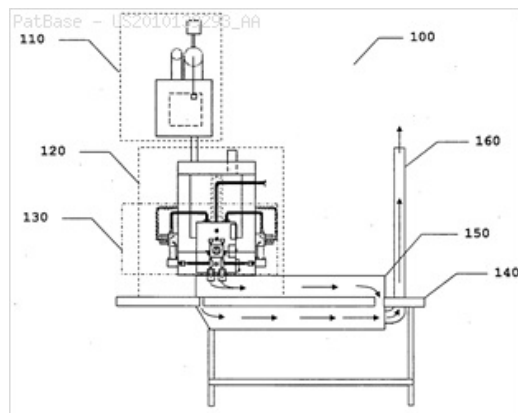
International (IPC 8-9): A23B4/09 A23B7/055 A23L3/36 A23L3/375 F17C13/04 F17C9/02 F25D F25D13/00 F25D13/06 F25D17/02 F25D3/10 F25D3/11 (Advanced/Invention); A23B4/06 A23B7/04 A23L3/36 B32B37/16 F17C13/04 F17C9/00 F17C9/02 F25D17/00 F25D3/10 (Core/Invention); F25D (Subclass/Invention)

International (IPC 1-7): A23L3/36 A23L3/375 B32B 37/16 F17C 9/02 F25D11/04 F25D3/11

CPC: F25D3/11 A23B4/09 A23L3/375

European: A23B4/09 A23L3/375 F25D3/11

US: 62/374 62/50.5 62/50.7 62/505



Family:

Publication number	Publication date	Application number	Application date
AR073814 AA	20101201	AR2009P103905	20091009
AU2008358119 AA	20091223	AU20080358119	20080619
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EG26642 A	20140420	EG20100101832	20101031
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KR101203237 B1	20121120	KR20097027332	20080619
KR20100028585 A	20100312	KR20097027332	20080619
MX2009007002 A1	20100413	MX20090007002	20090626
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RU2009144129 A	20110820	RU20090144129	20080619
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Priority:

RU20090144129 20080619 WO2008MX00078 20080619 MX20090007002 20090626

Probable Assignee: YAMIL MACCISE SADE

Assignee(s): (std): ADIV MACCISE SADE YAMIL ; MACCISE SADE YAMIL ; MACCISE SADE YAMIL ADIV ; MAKSIS SAD JAMIL ADIV ; MAURICIO RIOSECO ORIHUELA ; RIOSECO ORIHUELA MAURICIO ; YAMIL MACCISE SADE ; ORIHUELA MAURICIO RIOSECO ; YAMIL ADIV MACCISE SADE ; SADE YAMIL ADIV MACCISE ; RIOSECO ORIHUELA MAURICIO JORGE ; RIOSECO ORIKHUELA MAURISIO

Assignee(s): YAMIL ADIV MACCISE SADE ; MAURICIO RIOSECO ORIHUELA

Inventor(s): (std): SADE YAMIL ADIV MACCISE ; ORIHUELA MAURICIO RIOSECO ; MAURICIO RIOSECO ORIHUELA ; ADIV MACCISE SADE YAMIL ; RIOSECO ORIHUELA MAURICIO ; MACCISE SADE YAMIL ADIV ; MAKSIS SAD JAMIL ADIV ; RIOSECO ORIKHUELA MAURISIO

Inventor(s): YAMIL ADIV MACCISE SADE ; MAKSIS SAD JAMIL' ADIV

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; RIDOUT AND MAYBEE LLP; KNAPHEIDE TIMO; LIU SHEN AND ASSOCIATES; IP FACTOR; JMB DAVIS BEN DAVID; ITAYA YASUO; JACKSON WALKER LLP; MARQUEZ BARRAZA MANUEL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ

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