

Search history

Search 1: TAC=((beverage W8 dispense#)) and PD<20131230 and IC=(B65D* OR B67D*) (Results 4749)
Search 2: 1 AND (FT = (flexible OR collapsible) near (tube* OR container OR bag OR pouch)) (Results 662)
Search 3: 2 AND (FT = spring OR bias* OR press*) (Results 496)
Search 4: 3 AND (FT = roller*) (Results 57)
Search 5: 4 AND (FT = (out* OR discharge) near valve) (Results 28)

Title: SELF-DISPENSING **SPRING BIASED** THIN FILM CONTAINER

Abstract: Source: US4765512A A special **spring** construction is particularly adopted for a dispensing system for fluent materials from a plastic or equivalent thin film bag rolled up inside a coiling spiral formed from a strip sheet constant force **spring** material to squeeze out the bag contents completely and to produce dispensing force during storage periods for bulk quantities. The coil **spring** strip may be of a metal, plastic, elastomer or fibrous materials and may form a wall of the bag so that the container may be made at very low cost for storage of bulk fluids for dispensing therefrom one serving at a time. Thus, a package array for fluent materials comprises a thin **flexible**-walled **container** or **bag** having a common area with an uncoiled spiral constant force **spring** strip and positioned to coil up by rolling up a container bag tail inside the coil **spring** spiral as constants are discharged. The bag is placed in a container confining the fluid bag contents to occupy a position with a height corresponding to that of the constant force coil **spring** spiral diameter thereby to exert by the spiral a substantially constant force aiding the discharge of the contents over the entire bag capacity. Various embodiments include mixing of separate stored ingredients at the time of dispensing, the unrefrigerated storage of milk for days, the **dispensing** of multiple carbonated **beverage** servings without decomposition, and the aseptic storage and dispensing of fluent materials made possible by preventing entry of air into materials stored in bulk when servings are made to dispense portions thereof.

Classifications:

International (ipc 8-9): B65D35/24 B65D75/58 B67D1/00

B67D5/00 (Advanced/Invention);

B65D75/52 B67D1/00 (Core/Invention)

International (ipc 1-7): B65D35/24 B65D35/34 B65D83/00

B67C7/00 B67D3/00 B67D5/00 B67D5/54

CPC: B67D1/0001 B65D75/58

European: B65D75/58 B67D1/00C

US: 222/100 222/107 222/135 222/183 251/208

PatBase - US4765512_A

U.S. Patent Aug. 23, 1988 Sheet 1 of 6 4,765,512

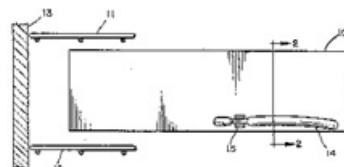


FIG. 1

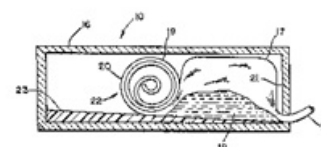


FIG. 2

Family:

Publication number	Publication date	Application number	Application date
AU198312370 A1	19840913	AU19830012370	19830311
AU559494 B2	19870312	AU19830012370	19830311
BR8301258 A	19841023	BR19830001258	19830314
CA1143346 A1	19830322	CA19800351937	19800514
CA1195666 A1	19851022	CA19830419196	19830111
DE3303443 A1	19840802	DE19833303443	19830202
GB2131885 A1	19840627	GB19830000631	19830111
GB2131885 B2	19860122	GB19830000631	19830111
GB8300631 A0	19830209	GB19830000631	19830111
HK6491 A	19910125	HK19910000064	19910117
US4765512 A	19880823	US19860890607	19860730

Priority:

AU19830012370 19830311	CA19800351937 19800514	US19820448973 19821216
DE19833303443 19830202	US19790041426 19790522	CA19830419196 19830111
US19830542905 19831020	US19860875978 19860619	US19860890607 19860730

Probable Assignee: BULL G C

Assignee(s): (std): BULL G C ; BULL GLEN C ; BULL GLEN C JUN ; BULL JR GLEN C ; HILL WILLIAM HENRY ; HILL W H

Assignee(s): WILLIAM HENRY HILL ; GLEN C BULL ; CLEN C BULL JR ; BULL GLEN C JR ; BULL GC

Inventor(s): (std): BULL CLEN C JR ; BULL JR GLEN C ; BULL GLEN C JR ; BULL GLEN C

Inventor(s): CLEN C BULL JR ; GLEN C BULL ; VERZICHT DES ERFINDERS AUF NENNUNG

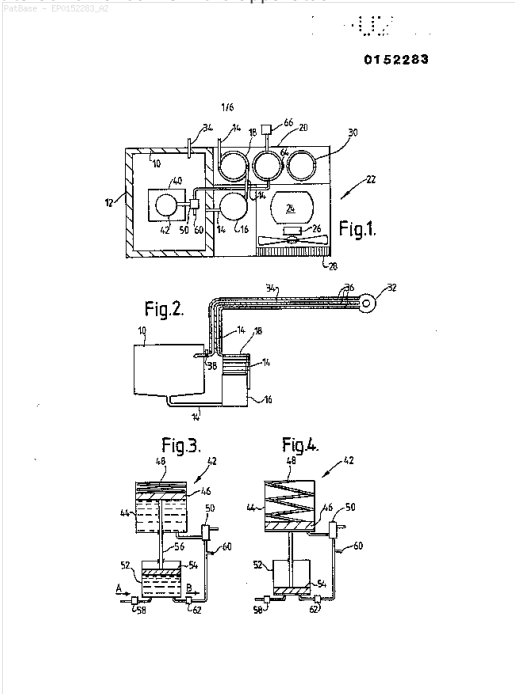
Agent(s): LORD AND CO; MEREDITH AND FINLAYSON

Title: Improvements in or relating to beverage dispensing apparatus.

Abstract: Source: EP0152283A2 Apparatus for dispensing a beverage consisting of a fluid circuit having a flow pipe and a return pipe, cooling means for cooling the beverage, pump means for continuously circulating the beverage around the fluid circuit, one or more dispensing valves or taps in the fluid circuit through which the beverage is dispensed, and a reservoir for containing the beverage, said reservoir being connected to the apparatus by quick release coupling means to facilitate removal thereof. Where the beverage is to be formed of two or more liquids, a metering pump is provided to effect mixing of the beverage and the supply thereof to the reservoir. The reservoir may also be of the disposable collapsible type which is again provided with quick release coupling means to enable it to be removed from the apparatus.

Classifications:

International (IPC 8-9): B67D1/00 B67D1/07 (Advanced/Invention);
B67D1/00 (Advanced/Non-invention);
B67D1/00 (Core/Invention);
B67D1/00 (Core/Non-invention);
B67D (Subclass/Invention)
International (IPC 1-7): B67D1/00 B67D1/08 B67D1/10 B67D5/62
CPC: B67D1/0016 B67D1/0054 B67D1/07 B67D1/1288
B67D2210/00031 B67D2210/00104
European: B67D1/00F2 B67D1/00H2D B67D1/07 B67D1/12N2B
L67D210/00D12D L67D210/00D2



Family:

Publication number	Publication date	Application number	Application date
EP0152283 A2	19850821	EP19850300834	19850208
EP0152283 A3	19851204	EP19850300834	19850208
GB2154206 A1	19850904	GB19850002497	19850131
GB2154206 B2	19871014	GB19850002497	19850131
GB8403455 A0	19840314	GB19840003455	19840209
GB8428892 A0	19841227	GB19840028892	19841115
GB8502497 A0	19850306	GB19850002497	19850131
JP60193889 A2	19851002	JP19850022075	19850208
ZA8500938 A	19851030	ZA19850000938	19850207

Priority:

GB19840003455 19840209 GB19840028892 19841115

Probable Assignee: DIXON R

Assignee(s): (std): BEWES W ; BEWES WILLIAM ; DIXON R ; DIXON RAYMOND ; UIRIAMU BIYUUZU ; REIMONDO DEIKUSON

Assignee(s): WILLIAM BEWES ; RAYMOND DIXON

Inventor(s): (std): BEWES WILLIAM ; DIXON RAYMOND ; REIMONDO DEIKUSON ; UIRIAMU BIYUUZU

Inventor(s): WILLIAM BEWES ; RAYMOND DIXON

Designated states: AT BE CH DE FR IT LI LU NL SE

Title: Dual temperature **beverage dispenser** with removable operating module

Abstract: Source: US4651862A A dual temperature **beverage dispenser** for providing a variety of **beverages**, both hot and cool from a small, high capacity, coin-activated unit. The dispenser includes a removable operating module which can be stored for safekeeping separate and apart from a water storage unit which becomes inoperative when the operating module is removed. The water storage unit includes a hot water heater including a tank and a storage tank for ambient water oriented above the hot water heater tank for gravity flow of ambient water to the hot water heater tank when required and for gravity flow to a discharge point in the operating module to enable ambient or cool water to be obtained without payment or **beverage** to be obtained from the **dispenser** by use of an appropriate coin or token. The water discharge assembly includes a screen in a projecting nipple which automatically couples and uncouples with the operating module when it is installed on or removed from the water storage unit to prevent drippage when the operating module is removed and also the operating module includes a coin control and rejection system to assure proper payment for a **beverage dispensed** from the **dispenser**.

Classifications:

International (IPC 8-9): A47J31/40 B67D1/00

B67D1/12 (Advanced/Invention)

International (IPC 1-7): B67D5/56 G07F13/06

CPC: A47J31/401 B67D1/0036 B67D1/1231 B67D1/1256

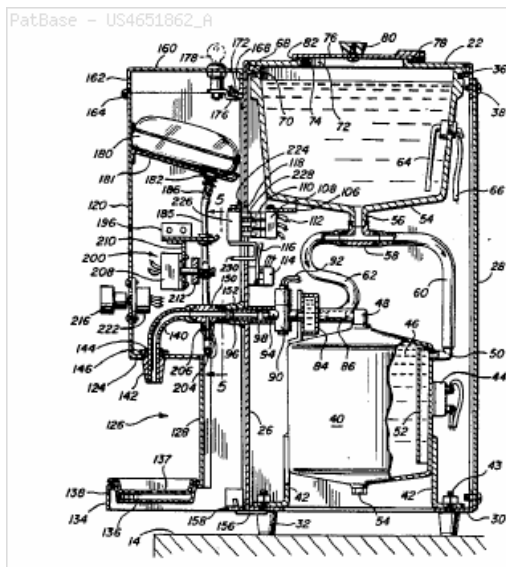
B67D1/1297 B67D2210/00034 B67D2210/00118 B67D2210/00157

European: A47J31/40C B67D1/00F4B6B2 B67D1/12B4J B67D1/12H

B67D1/12N6 L67D210/00D12F L67D210/00D2B L67D210/00F2B4

US: 194/214 194/344 222/105 222/129.1 222/138 222/142

222/146.2 222/165 222/189.06 222/2 222/571 222/89



Family:

Publication number	Publication date	Application number	Application date
US4651862 A	19870324	US19850742916	19850610

Priority:

US19850742916 19850610

Probable Assignee:

GREENFIELD JR IRVING E

Assignee(s): (std):

GREENFIELD JR IRVING E

Inventor(s): (std):

GREENFIELD JR IRVING E

Title: PLUMBING MODULE FOR BOTTLED WATER COOLER

Abstract: Source: US4881380A The plumbing module is a self-contained fully operational unit which provides the capability of supplying both hot or room temperature and refrigerated water or other beverages. The module may be adapted without significant modification to a wide range of products and uses, including bottled water coolers, drinking fountains and beverage dispensers. A dual parallel condenser coil in the refrigeration system takes approximately one-half the space of conventional coils and provides adequate heat dissipation without requiring forced air cooling fans.

Classifications:

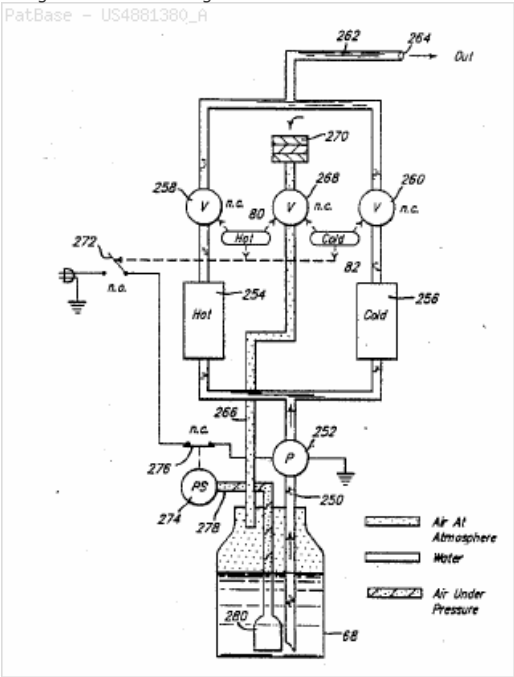
International (IPC 8-9): B67D1/08 B67D3/00 (Advanced/Invention); B67D1/00 B67D3/00 (Core/Invention)

International (IPC 1-7): B67D5/62

CPC: B67D2210/00097 B67D3/0009 B67D1/0858 B67D3/0022

European: B67D1/08D2 B67D3/00C B67D3/00F

US: 165/145 165/150 222/146.1 62/389 62/390 D7/306



Family:

Publication number	Publication date	Application number	Application date
US4881380 A	19891121	US19880176352	19880331

Priority:

US19880176352 19880331

Probable Assignee: KING SEELEY THERMOS CO

Assignee(s): (std): KING SEELEY THERMOS CO

Assignee(s): KING SEELEY THERMOS CO A DE CORP

Inventor(s): (std): LATZKO ROBERT L ; MRUGALA RONALD J ; NEGANDHI DIPAK J ; RAYMER DOYLE

Title: Drive mechanism for the measured dispensing of liquids out of a storage container

Abstract: Source: US5088625A A drive system for side-by-side piston pumps connected to **beverage** concentrate containers in a post-mix **beverage dispenser** system is described. An electric motor rotates a drive shaft in either a forward or reverse direction for the selective actuation of one or the other of the piston pumps. First and second hollow shafts are concentrically disposed around the drive shaft, one hollow shaft being mechanically coupled through a cam and lever arrangement to each of the piston pumps. Free-wheeling clutches are provided between the drive shaft and each of the respective hollow shafts such that one hollow shaft is coupled to rotate with the drive shaft in the forward direction of rotation of the drive shaft and the other hollow shaft is coupled to rotate with the drive shaft in the reverse direction of rotation of the drive shaft.

Classifications:

International (IPC 8-9): B67D1/00 B67D1/04 B67D1/10

G01F11/00 (Advanced/Invention);

B67D1/00 G01F11/00 (Advanced/Non-invention);

B67D1/00 G01F11/00 (Core/Invention)

International (IPC 1-7): A47J31/40 B67D1/00 B67D1/04 B67D1/08

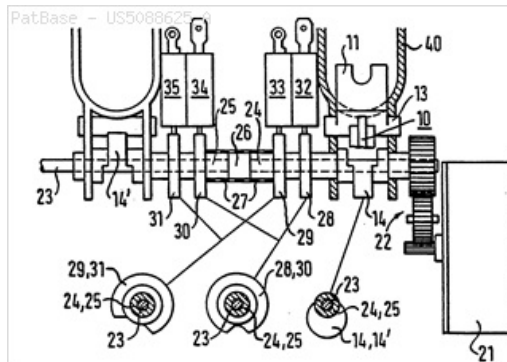
B67D1/10 B67D1/12 B67D5/00 B67D5/08 B67D5/46 B67D5/56

F04B13/00 G01F11/00

CPC: B67D1/102

European: B67D1/10B2

US: 222/129.1 222/135 222/333



Family:

Publication number	Publication date	Application number	Application date
AT100777 E	19940215	AT19900122737T	19901128
AU199067971 A1	19910613	AU19900067971	19901211
AU651953 B2	19940811	AU19900067971	19901211
CA2032008 AA	19910612	CA19902032008	19901211
CA2032008 C	19950124	CA19902032008	19901211
DE3940876 A1	19910613	DE19893940876	19891211
DE59004418 D1	19940310	DE19905004418	19901128
DK0433719 T3	19940606	DK19900122737T	19901128
EP0433719 A1	19910626	EP19900122737	19901128
EP0433719 B1	19940126	EP19900122737	19901128
ES2048944 T3	19940401	ES19900122737T	19901128
JP4006082 A2	19920110	JP19900336893	19901130
US5088625 A	19920218	US19900625057	19901210
ZA9009621 A	19910925	ZA19900009621	19901130

Priority:

CA19902032008 19901211
US19900625057 19901210

CA19902032008 19901211
EP19900122737 19901128

DE19893940876 19891211
DE19905004418 19901128

Probable Assignee: BOSCH SIEMENS HAUSGERAETE GMBH

Assignee(s): (std): BOSCH SIEMENS HAUSGERAETE ; COCA COLA CO

Assignee(s): COCA COLA CO ATLANTA GA US ; ERDMANN KLAUS ; THE COCA COLA COMPANY ; THE COCA COLA CO ; THE COCA COLA CO ATLANTA US ; NIESS WILLI ; LINDENMAIER WILLI ; FAERBER KARLHEINZ ; BOSCH SIEMENS HAUSGERATE GMBH ; COCA COLA CO THE ; COCA COLA COMPANY ; COCA COLA COMPANY THE ; BOSCH SIEMENS HAUSGERAETE GMBH ; BOSCH SIEMENS HAUSGERAETE GMBH 8000 MUENCHEN DE ; BOSCH SIEMENS HAUSGERAETE GMBH 81669 MUENCHEN DE

Inventor(s): (std): ERDMANN FH KLAUS DIPL ING ; ERDMANN KLAUS ; ERDMANN KLAUS DIPL ING ; ERDMANN KLAUS DIPL ING FH ; FARBER KARLHEINZ DIPL ING FH ; FH KARLHEINZ FAERBER DIPL ING ; FH KLAUS ERDMANN DIPL ING ; FH WILLI LINDENMAIER DIPL ING ; FH WILLI NIESS DIPL ING ; KAARUHAINTSU FUERUBAA ; KURASU ERUTOMAN ; LINDENMAIER FH WILLI DIPL ING ; LINDENMAIER WILLI ; LINDENMAIER WILLI DIPL ING ; LINDENMAIER WILLI DIPL ING FH ; FAERBER FH KARLHEINZ DIPL ING ; FAERBER KARLHEINZ ; FAERBER KARLHEINZ DIPL ING ; FAERBER KARLHEINZ DIPL ING FH ; NIESS FH WILLI DIPL ING ; NIESS WILLI ; NIESS WILLI DIPL ING ; NIESS WILLI DIPL ING FH ; NIESS WILLI ; NIESS WILLI DIPL ING FH ; UIRII NIISU ; UIRII RINDENMAIYAA ; FARBER KARLHEINZ

Inventor(s): FARBER KARLHEINZ DIPL ING ; WILLI LINDENMAIER ; WILLI NIESS ; NIESS WILLI DIPL ING FH W 7901 HALZHAUSEN DE ; FAERBER KARLHEINZ DIPL ING FH 7928 GIENGEN DE ; FAERBER KARLHEINZ DIPL ING FH W 7928 GIENGEN DE ; LINDENMAIER WILLI DIPL ING FH 7922... ; LINDENMAIER WILLI DIPL ING FH W 7922 ; KARLHEINZ FARBER ; KLAUS ERDMANN ; ERDMANN KLAUS DIPL ING FH 7920 HEIDENHEIM DE ; ERDMANN KLAUS DIPL ING FH W 7920 MERGELSTETTEN DE ; DIPL ING FH KARLHEINZ FAERBER ; DIPL ING FH KLAUS ERDMANN ; DIPL ING FH WILLI LINDENMAIER ; DIPL ING FH WILLI NIESS

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; SIM AND MCBURNEY

Designated states: AT BE CH DE DK ES FR GB GR IT LI LU NL SE

Title: Combination toy and beverage dispensing device

Abstract: Source: US5277642A A combination toy and beverage dispensing Device, primarily adapted for use with children and particularly minor children who are still consuming liquids from a bottle and similar dispensing device. The combination toy and beverage dispensing device may preferably adopt the form of a ball which a toddler can play with in a playpen or like confined area. The ball is provided with a center interior chamber holding a beverage container capable of dispensing a beverage such as milk. A stem mechanism is associated with the ball and when pushed on, enables delivery of the milk or other beverage through a drinking tube which the child user may insert in his or her mouth. A tether type supply tube is adapted to extend into the beverage, regardless of the orientation of the ball. The ball is constructed so that it will roll properly, notwithstanding the presence of the dispensing mechanism.

Classifications:

International (IPC 8-9): A47G19/22 A63H33/00 (Advanced/Invention)

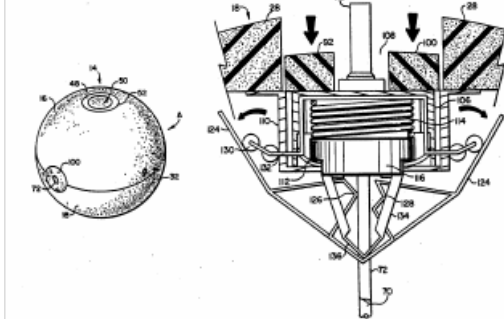
International (IPC 1-7): A47G19/22 A63H33/30 B65D51/16 B67D1/04 F16K24/00 F16K31/44

CPC: A47G19/2227 A47G19/2266 A63H33/00 Y10T137/86332

European: A47G19/22B12 A47G19/22B6 A63H33/00

US: 137/588 215/309 220/373 220/705 222/481.5 222/538 251/250 251/353 251/9 446/197 446/202 446/267 446/475 446/75 446/76

PatBase - US5277642_A



Family:

Publication number	Publication date	Application number	Application date
US5277642 A	19940111	US19910812414	19911223
US5495870 A	19960305	US19940178738	19940106

Priority:

US19910812414 19911223 US19940178738 19940106

Probable Assignee:

DORTA JUAN F

Assignee(s): (std):

DORTA JUAN F

Inventor(s): (std):

DORTA JUAN F

Title: Liquid **dispenser**, e.g. for soap, medicament, **beverage** or garnish, has a replaceable liquid container and pump unit for simultaneous pump and container coupling on insertion

Abstract: A liquid dispenser, comprising a replaceable liquid container and pump unit (12) which, on insertion, simultaneously couples a pump (20) to a motor and a container (16) to a housing (10), is new. A liquid dispenser comprises a replaceable unit (12) having a liquid container (16) and a delivery pump (20) with an input projection which is rotated, for liquid delivery from the container (16), by the output shaft extension of a d.c. motor within a housing (10). The unit (12) is pushed relative to the housing (10) to effect simultaneous removable coupling of the pump (20) to the motor and the container (16) to the housing (10).

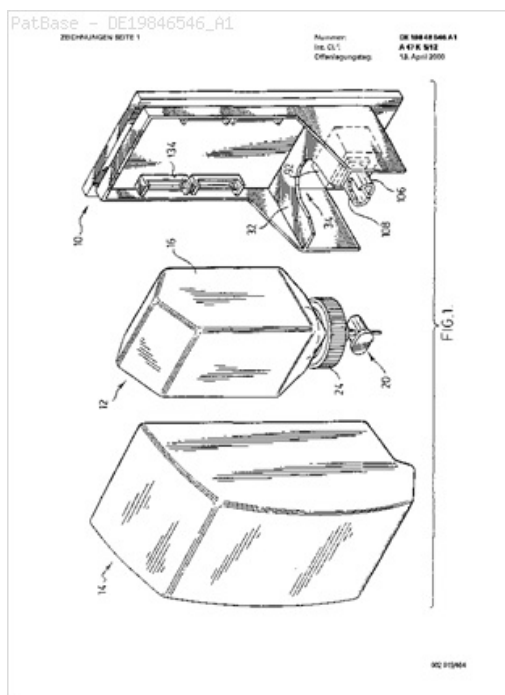
Classifications:

International (IPC 8-9): A47K5/12 B65D83/00 (Advanced/Invention);
A47K5/00 B65D83/00 (Core/Invention)

International (IPC 1-7): A47K5/12

CPC: A47K5/1217

European: A47K5/12E



Family:

Publication number	Publication date	Application number	Application date
DE19846546 A1	20000413	DE19981046546	19981009
DE19846546 B4	20090903	DE19981046546	19981009

Priority:

DE19981046546 19981009

Probable Assignee:

OPHARDT HEINER

Assignee(s): (std):

OPHARDT HEINER ; OPHARDT HERMANN

Inventor(s): (std):

OPHARDT HEINER ; OPHARDT HERMANN

Title: COFFEE BREWER WITH INDEPENDENT CONTROL OF DISPENSE PERIOD AND BATCH QUANTITY AND METHOD

Abstract: Source: US2003003208A A coffee brewer (10, 10' and 10'') is provided with a plurality of solenoid controlled, bi-position dispense valves (40, 40'), a size adjustable valve (60) or a combination of both and a programmable controller (18) for controlling the dispense valves in accordance with preselected brew parameters of batch quantity and dispense time duration (Fig. 8).

Classifications:

International (IPC 8-9): A47J31/00 A47J31/06 A47J31/08 A47J31/10 A47J31/44 A47J31/46 A47J31/52 B01D29/05 (Advanced/Invention)

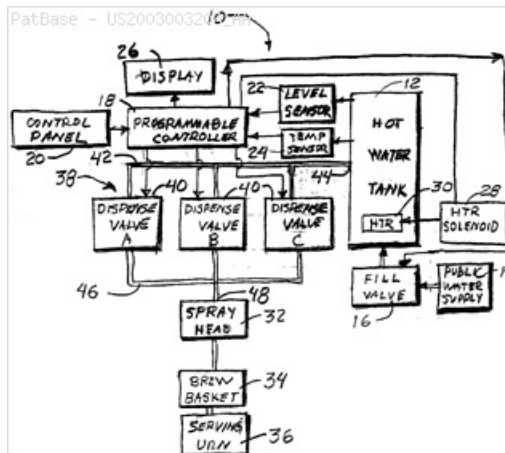
International (IPC 1-7): A23F3/00 A23F3/34 A23F5/00 A23F5/24 A23F5/26 A47J31/00 A47J31/10 A47J31/40 A47J31/41 B01D29/085 B01D39/08 B01D39/16 B65D81/00

CPC: A47J31/002 A47J31/06 A47J31/08 A47J31/46 A47J31/52 B01D29/05 A47J31/0615 A47J31/4467

European: A47J31/00M A47J31/06 A47J31/06E A47J31/08

A47J31/44A4D A47J31/46 A47J31/52 B01D29/05

US: 210/482 210/497.01 210/497.2 222/1 222/639 426/231 426/433 426/433P 426/435 426/594 426/597 99/279 99/279P 99/279S 99/280 99/280S 99/282 99/283 99/283P 99/283S 99/295 99/299 99/304 99/305 99/306 99/307 99/323 99/323.3



Family:

Publication number	Publication date	Application number	Application date
EP1144070 A1	20011017	EP19990968067	19991203
EP1144070 A4	20020410	EP19990968067	19991203
US2003003208 AA	20030102	US20020078749	20020219
US2003110952 AA	20030619	US20030356866	20030203
US2005051033 AA	20050310	US20040969490	20041020
US6148717 A	20001121	US19980131992	19980811
US6565906 BA	20030520	US20000698689	20001027
US6571685 BA	20030603	US19990438094	19991110
US6576282 BA	20030610	US20000697849	20001027
US6662955 BA	20031216	US19980205411	19981203
US6713109 BA	20040330	US20030352575	20030128
US6772676 BB	20040810	US20030356866	20030203
US6829981 BB	20041214	US20020078749	20020219
US8613245 BA	20131224	US20090616879	20091112
WO0032291 A1	20000608	WO1999US28603	19991203

Priority:

US19980131992	19980811	US19980205411	19981203	US19990438094	19991110
US20000697849	20001027	US20030352575	20030128	US20030356866	20030203
US20000698689	20001027	US20020078749	20020219	US20010270103P	20010220
WO1999US28603	19991203	WO1999US28603	19991203	US20040969490	20041020
US20090616879	20091112				

Probable Assignee: FOOD EQUIP TECHNOLOGIES CO INC

Assignee(s): (std): FOOD EQUIP TECHNOLOGIES CO INC ; FOOD EQUIPMET TECHNOLOGIES COM ; LASSOTA ZBIGNIEW G

Assignee(s): FOOD EQUIPMET TECHNOLOGIES COMPANY INC ; FOOD EQUIPMENT TECHNOLOGIES CO INC ; FOOD EQUIPMENT TECHNOLOGIES COMPANY INC

Inventor(s): (std): LASSOTA ZBIGNIEW G

Inventor(s): LASSOTA ZBIGNIEW

Agent(s): LAW OFFICES OF POTTHAST AND ASSOCIATES; JAMES W; POTTHAST AND ASSOCIATES

Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT KR LI LU MC NL PL PT SE

Title: TAPPING DEVICE AND CONTAINER THEREFOR, AND METHOD FOR THE MANUFACTURE THEREOF

Abstract: Source: US2004069368A A tapping device (1) for beverage, comprising a cooling device and a tapping rod (8) with a tapping cock (14), the tapping rod comprising a first (50) and a second (52) channel, which channels are in fluid communication with each other adjacent the tapping cock (14), while at least during use a tapping line (48) extends through the second channel, which tapping line is coupled at one end with a container (6) for beverage and at the other end can cooperate with the tapping cock.

Classifications:

International (IPC 8-9): A61K31/4196 B22D18/00 B22D19/00 B29C45/17 B67B7/00 B67C9/00 B67D1/00 B67D1/04 B67D1/06 B67D1/08 B67D1/12 B67D1/14 (Advanced/Invention); B67D1/00 B67D1/06 (Advanced/Non-invention); B22D18/00 B22D19/00 B29C45/00 B29C45/17 B67B7/00 B67D1/00 B67D1/08 F25D31/00 (Core/Invention)

International (IPC 1-7): A61K31/4196 B22D19/00 B29C45/17 B65B1/20 B67C9/00 B67D1/00 B67D1/02 B67D1/04 B67D1/06 B67D1/08 B67D1/12 B67D1/14 B67D1/68

CPC: B67D2210/00049 B67D1/0872 B67D1/0406 B67D1/06

B67D1/0861 B67D1/0868 B67D1/1405 B67D2210/00047

B67D2210/00062 B67D2210/00133

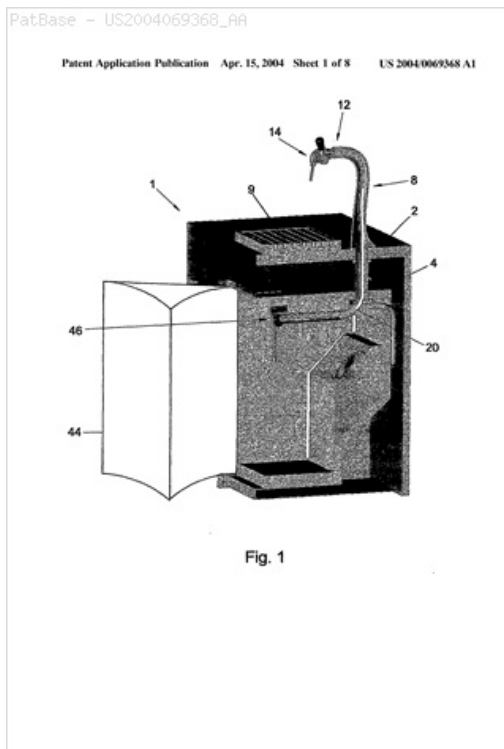
European: B67D1/04A B67D1/06 B67D1/08D2C B67D1/08D2C6D

B67D1/08F B67D1/14B L67D210/00D16D L67D210/00D4

L67D210/00D4F

US: 141/82 141/82P 222/1 222/105 222/129.1 222/131 222/146.6

222/183 222/399 62/389



Family:

Publication number	Publication date	Application number	Application date
AP1550 A	20060116	AP20020002660	20010529
AP200202660 A0	20021231	AP20020002660	20010529
AR031848 AA	20031008	AR2001P102622	20010531
AT283233 E	20041215	AT20010938819T	20010529
AU2001264395 AA	20011211	AU20010264395	20010529
AU200164395 A5	20011211	AU20010064395	20010529
AU2006203525 AA	20060907	AU20060203525	20060815
AU2006203525 BB	20080605	AU20060203525	20060815
AU2006203525 BI	20100603	AU20060203525	20060815
AU2008212021 AA	20081002	AU20080212021	20080905
AU2008212021 BB	20111006	AU20080212021	20080905
BG107221 A	20030630	BG20020107221	20021024
BG64845 B1	20060630	BG20020107221	20021024
BRPI0111254 A	20030603	BR2001PI11254	20010529
BRPI0111254 B1	20100824	BR2001PI11254	20010529
CA2407278 AA	20021021	CA20012407278	20010529
CA2407278 C	20111011	CA20012407278	20010529
CA2747280 AA	20011206	CA20012747280	20010529
CA2747280 C	20150526	CA20012747280	20010529
CL2001001245 A1	20020304	CL20010001245	20010530
CL45428 B	20090811	CL20010001245	20010530
CN1241825 C	20060215	CN20018010554	20010529
CN1438965 A	20030827	CN20018010554	20010529
CZ20023513 A3	20030416	CZ20020003513	20010529
CZ304021 B6	20130828	CZ20020003513	20010529
DE20122350 U1	20050331	DE20012022350U	20010529
DE20122351 U1	20050407	DE20012022351U	20010529
DE60107423 D1	20041230	DE20016007423	20010529
DE60107423 T2	20051215	DE20016007423T	20010529
DE60107423 T3	20141120	DE20016007423T	20010529
DK1289874 T3	20050314	DK20010938819T	20010529
DK1289874 T4	20140901	DK20010938819T	20010529
DZ3331 A1	20011206	DZ20010003331	20010529
EA003977 B1	20031225	EA20020001299	20010529
EA200201299 A1	20030424	EA20020001299	20010529
EE04843 B1	20070615	EE20020000663	20010529
EE200200663 A	20040615	EE20020000663	20010529
EG22685 A	20030630	EG20010000558	20010526

EP1289874 A2	20030312	EP20010938819	20010529
EP1289874 B1	20041124	EP20010938819	20010529
EP1289874 B2	20140709	EP20010938819	20010529
ES2228875 T3	20050416	ES20010938819T	20010529
ES2228875 T5	20140930	ES20010938819T	20010529
GE20053430 B	20050125	GE20010005039	20010529
GT200100097 A	20020415	GT20010000097	20010530
HK1053635 A1	20050513	HK20030105892	20030818
HR20020948 A2	20050228	HR20020000948	20021129
HR20020948 B1	20090731	HR20020000948	20021129
HU0302356 AB	20031028	HU20030002356	20010529
HU0302356 AC	20051128	HU20030002356	20010529
HU229903 B1	20141229	HU20030002356	20010529
IL152967 A0	20030624	IL20010152967	20010529
IL152967 A1	20070308	IL20010152967	20010529
IS6628 A	20021119	IS20020006628	20021119
JO2192 B	20031223	JO20010000082	20010528
JP2003534999 T2	20031125	JP20010588125T	20010529
JP4916080 B2	20120411	JP20010588125T	20010529
KR100852794 B1	20080818	KR20027016036	20010529
KR20030015255 A	20030220	KR20027016036	20010529
MA26261 A1	20040901	MA20020026863	20021014
MXPA02011660 A1	20030514	MX2002PA11660	20010529
MY131944 A	20070928	MY20010002554	20010529
NL1015359 C2	20011203	NL20001015359	20000531
NO20025677 A	20021126	NO20020005677	20021126
NO20025677 A0	20021126	NO20020005677	20021126
NO324749 B1	20071203	NO20020005677	20021126
NZ522032 A	20041224	NZ20010522032	20010529
OA12268 A	20040120	OA20021000350	20010529
PE01522002 A1	20020321	PE20010000490	20010529
PL200105 B1	20081231	PL20010359180	20010529
PL359180 A1	20040823	PL20010359180	20010529
PT1289874 T	20050228	PT20010938819T	20010529
RS50174 B	20090506	YU20020000895	20010529
SI1289874 T1	20050228	SI20010030217T	20010529
SI21265 C	20040229	SI20010020030	20010529
SK200201507 A5	20030502	SK20020001507	20010529
SK287371 B6	20100809	SK20020001507	20010529
SV2002000469 A	20021202	SV20010000469	20010530
TH30378 B	20110803	TH20011002094	20010529
TH48518 A	20011130	TH20011002094	20010529
UA79580 C2	20070710	UA20021210811	20010529
US2004069368 AA	20040415	US20030297071	20030908
US7661556 BB	20100216	US20010297071	20010529
VN8669 A1	20100927	VN20020001091	20021129
WO0192144 A2	20011206	WO2001NL00414	20010529
WO0192144 A3	20020411	WO2001NL00414	20010529
YU89502 A	20031031	YU20020000895	20010529
ZA200208340 A	20030515	ZA20020008340	20021016

Priority:

AU20010264395	20010529	AU20060203525	20060815	AU20080212021	20080905
CA20012407278	20010529	CA20012747280	20010529	CA20112407278	20110809
US20000015359	20000531	DE20012022350U	20010529	DE20012022351U	20010529
EP20010938819	20010529	NL20001015359	20000531	WO2001NL00414	20021126
WO2001NL00414	20010529				

Probable Assignee: HEINEKEN TECHNICAL SERVICES BV

Assignee(s): (std): BAX BART JAN ; DUUREN MARIUS CORSTIAAN VAN ; HEINEKEN SUPPLY CHAIN BV ; HEINEKEN TECH SERVICES ; KLAUW GUIDO PETRUS JOHANNES V ; KLAUW GUIDO PETRUS JO VAN D

Assignee(s): KLAUW GUIDO PETRUS JOHANNES VAN D ; VAN DUUREN MARIUS CORSTIAAN ; VAN DER KLAUW GUIDO PETRUS JOHANNES ; HEINEKEN TECHNICAL SERVICES PFIZER PRODUCTS INC BV ; HEINEKEN TECHNICAL SERVICES B ; HEINEKEN TECHNICAL SERVICES BV ; HEINEKEN TECHNICAL SERVICES B V PFIZER PRODUCTS IN ; HEINEKEN TECHNICAL SERVICES B V ; HEINEKEN TECHNICAL SERVICES B V AMSTERDAM ; HEINEKEN TECHNICAL SERVICES B V AMSZTERDAM ; HEINEKEN TECHNICAL SERVICES B V PFIZER PRODUCTS INC

Inventor(s): (std): BAX ; BAX B J ; BAX BART ; BAX BART J ; BAX BART JAN ; BAX JAN ; CLAAUW GUIDO PETRUS JOHANNES VAN D ; CORSTIAAN DUUREN MARIUS VAN ; DUUREN G P J VAN D KLAUW B ; DUUREN M C VAN ; DUUREN MARIUS COSTIAAN VAN ; DUUREN VAN MARIUS CORSTIAAN ; KLAUW GUIDO P VAN D ; KLAUW GUIDO PETRUS J VAN D ; KLAUW GUIDO PETRUS JO VAN D ; KLAUW GUIDO PETRUS JOHANNES VAN D ; KLAUW GUIDO PETRUS JOHANNES VAN DER ; KLAUW GUIDO PETRUS VAN D ; KLAUW GUIDO PETRUS VAN DER ; KLAUW GUIDO VAN D ; KLAUW VAN D ; KLAUW VAN D GUIDO P ; KLAUW VAN DER GUIDO P ; VAN DER KLAUW GUIDO PETRUS JOHANNES ; VAN DER KLAUW PETRUS ; VAN DUUREN ; VAN DUUREN CORSTIAAN ; VAN DUUREN MARIUS ; VAN DUUREN MARIUS C ; VAN DUUREN MARIUS CORSTIAAN ; VAN DER KLAUW GUIDO PETRUS J ; VAN DER KLAUW GUIDO ; KLAUW PETRUS VAN D ; KLAUW GUIDO PETRUS JOHANNES V ; JAN BAX BART ; JOHANNES DER KLAUW GUIDO PETRUS VAN ; KLAUW G P J VAN D ; KLAUW G P J VAN DER ; VAN DER CLAAUW GUIDO PETRUS JOHANNES ; VAN DER KLAUW ; VAN DER KLAUW GUIDI PETRUS JO ; VAN DER KLAUW GUIDO P ; VAN DER KLAUW GUIDO PETRUS JO ; DUUREN MARIUS CORSTIAAN VAN ; DUUREN G P J VAN DER KLAUW B ; KLAUW GUIDI PETRUS JO VAN D

Inventor(s): GUIDO PETRUS JOHANNES VAN D KLAUW ; G P J VAN DER KLAUW B J BAX M C VAN DUUREN ; VAN DER KLAUW GUIDO PETRUS JOHANNES ; B J BAX ; BART JAN BAX ; VAN DER KLAUW GUIDI PETRUS JOHANNES ; KLAUW GUIDI PETRUS JOHANNES VAN D ; KLAUW GUIDO PETRUS JOHANNES VAN D ; M C VAN DUUREN ; MARIUS CORSTIAAN VAN DUUREN ; MC VAN DUUREN ; G P J VAN DER KLAUW ; GPJ VAN D KLAUW ; GPJ VAN D KLAUW BJ BAX MC VAN DUUREN ; GUIDO PETRUS JOHANNES VAN DER KLAUW ; GUIDO PETRUS VAN D KLAUW ; GUIDO PETRUS VAN DER KLAUW ; BJ BAX

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; FETHERSTONHAUGH AND CO; HARNECKER; PRINS ADRIANUS WILLEM; LAZCANO JESUS; EITAN PEARL LATZER AND COHEN ZEDEK; PEARNE AND GORDON LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC 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 MZ 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: APPARATUS, METHOD AND **FLEXIBLE BAG** FOR USE IN MANUFACTURING

Abstract: Source: US2003014945A A method for manufacturing in which a fluent material is dispensed to an article such as a **container** from a **flexible bag**. The fluent material is dispensed directly to the container without any intervening structure which contacts the fluent material. Accordingly, the apparatus can be constructed of less expensive materials and does not require frequent cleaning. The apparatus acts on the bag to dispense and does not act on the fluent material. Thus, the apparatus has particular application where aseptic conditions need to be maintained such as in the packaging of the food and medicine. The **flexible bag** is preferably formed with multiple outlets permitting simultaneous dispensing to multiple containers.

Classifications:

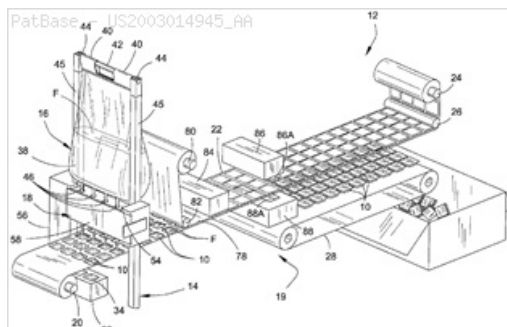
International (IPC 8-9): A21B7/00 A23G3/28 B65B1/04 B65B3/04 B65B37/20 B65B61/06 B65B9/04 B65D33/14 B65D33/36 B65D33/38 B67D1/00 B67D1/04 B67D1/10 B67D7/02 F04B13/02 F04B43/02 F04B43/06 F04B43/073 (Advanced/Invention); B65B9/04 (Advanced/Non-invention); A21B7/00 B65B1/04 B65B3/04 B65B37/00 B65B61/04 B65B9/00 B65D33/14 B65D33/36 F04B13/00 F04B43/02 F04B43/06 (Core/Invention)

International (IPC 1-7): A21B7/00 A23G3/28 B65B1/00 B65B1/04 B65B3/00 B65B3/02 B65B3/04 B65B37/20 B65B43/00 B65B5/00 B65B55/02 B65B9/04 B65D33/00 B65D33/14 B65D33/38 B65D35/22 B65D35/28 B67D1/00 B67D1/04 B67D5/02 F04B13/02 F04B35/00 F04B43/02 F04B43/06 F04B43/073 F04B45/04 F04B45/053 F04B45/06 F04B45/10

CPC: A21B7/00 B65B9/042 B65B37/20 B65B61/065 B67D1/0001 B67D1/0043 B67D1/045 B67D1/10 B67D1/108 B67D1/1231 B67D7/0255 F04B13/02 F04B43/025 F04B43/06 F04B43/0736 B65B9/04

European: A21B7/00 B65B37/20 B65B61/06B B65B9/04B B67D1/00C B67D1/00H2 B67D1/04C B67D1/10 B67D1/10D B67D1/12B4J B67D7/02E4 F04B13/02 F04B43/02P F04B43/06 F04B43/073C

US: 141/114 141/313 141/313S 222/102 222/105 222/129 222/207 222/478 222/479 222/94 383/41 383/41P 383/96 383/96S 417/393 417/395 417/474 417/474P 417/474S 417/478 417/478S 417/479 417/479S 417/521 417/53 417/53P 53/266.1 53/282 53/425 53/425S 53/452 53/467 53/469 53/469S 53/473 53/558 53/559 534/730



Family:

Publication number	Publication date	Application number	Application date
AU2003228248 AA	20031219	AU20030228248	20030520
AU2003240576 AA	20031212	AU20030240576	20030520
CA2452699 AA	20031231	CA20022452699	20020612
EP1409346 A1	20040421	EP20020739846	20020612
GB200424446 A0	20041208	GB20040024446	20030520
GB200424449 A0	20041208	GB20040024449	20030520
GB2404424 A1	20050202	GB20040024446	20030520
GB2404697 A1	20050209	GB20040024449	20030520
JP2005521599 T2	20050721	JP20030513844T	20020612
KR20040016997 A	20040225	KR20047000674	20020612
MXPA04000406 A1	20040318	MX2004PA00406	20020612
US2003014945 AA	20030123	US20010909422	20010719
US2003017056 AA	20030123	US20020156732	20020528
US2003017066 AA	20030123	US20020156675	20020528
US2003072652 AA	20030417	US20010978649	20011016
US2004006949 AA	20040115	US20030618026	20030711
US2004007588 AA	20040115	US20030617438	20030711
US2004094229 AA	20040520	US20030706422	20031112
US2004094573 AA	20040520	US20030706596	20031112
US2004096126 AA	20040520	US20030706237	20031112
US6769231 BB	20040803	US20010909422	20010719
US6905314 BB	20050614	US20010978649	20011016
WO03008270 A1	20030130	WO2002US18631	20020612
WO03033910 A1	20030424	WO2002US27984	20020904
WO03099702 A2	20031204	WO2003US17925	20030520
WO03099702 A3	20040318	WO2003US17925	20030520
WO03101883 A1	20031211	WO2003US16020	20030520

Priority:

US20010909422	20010719	US20010978649	20011016	US20020156675	20020528
US20020156732	20020528	US20030618026	20030711	US20030617438	20030711
US20030706596	20031112	US20030706237	20031112	US20030706422	20031112
WO2003US17925	20030520	WO2003US16020	20030520	WO2002US18631	20020612

Probable Assignee: BAXTER INT INC

Assignee(s): (std): BAXTER INT ; BAXTER INT INC ; DANBY HAL C

Assignee(s): BAXTER INT INCORPORATED ; BAXTER INTERNATIONAL INC ; BAXTER INTERNATIONAL INCORPORATED ; BAXTER INTIONAL

Inventor(s): (std): WILCOX ALUN ; HAL C DANBY ; ALUN WILCOX ; DANBY HAL C

Agent(s): SIM AND MCBURNEY; REAGEN JOSEPH P; JAMES KURT F; KURT F; JOSEPH P

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE 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 NE NI NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW