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Search 4: tamper* (Results 36348)
Search 5: 3 and 4 (Results 468)
Search 6: telescop* (Results 407109)
Search 7: 5 and 6 (Results 15)

1) Family number: 36999419 (GB191118762A)

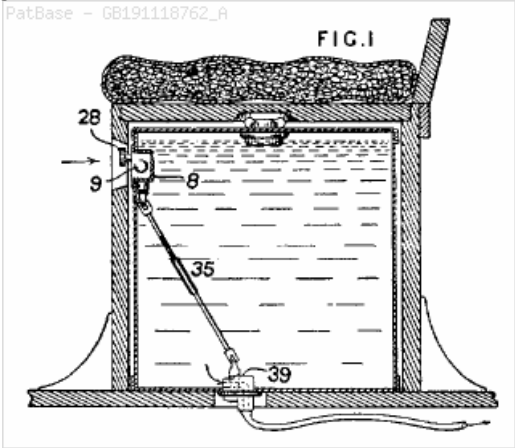
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Title: Improvements in VALVE Operating Mechanism for Tanks.

Abstract: Source: GB191118762A 18,762. Hurdman, A. G. Aug. 21. Tampering with, preventing. - A valve 39 controlling the escape of petrol from the tank to the engine is operated from a knob 28 through bevel - gearing and a telescopic universally jointed spindle 35, a permutation lock 9 being provided to lock the part of the spindle that protrudes into the casing 8 against rotation. The spindle passes through a stuffing-box into a closed part of the casing 8 containing the locking-mechanism, while the operative part of the lock protrudes into an open part of the casing.

Classifications:

International (IPC 8-9): F16K35/08 (Advanced/Invention);
F16K35/00 (Core/Invention)
CPC: F16K35/08
European: F16K35/08



Family:

Publication number	Publication date	Application number	Application date
GB191118762 A	19111026		00000000

Priority:

19110821

Probable Assignee: HURDMAN ALLAN GRAHAM

Assignee(s): (std): HURDMAN ALLAN GRAHAM

Assignee(s): ALLAN GRAHAM HURDMAN

Inventor(s): (std): HURDMAN ALLAN GRAHAM

Inventor(s): ALLAN GRAHAM HURDMAN

2) Family number: 22015598 (US2586453A)

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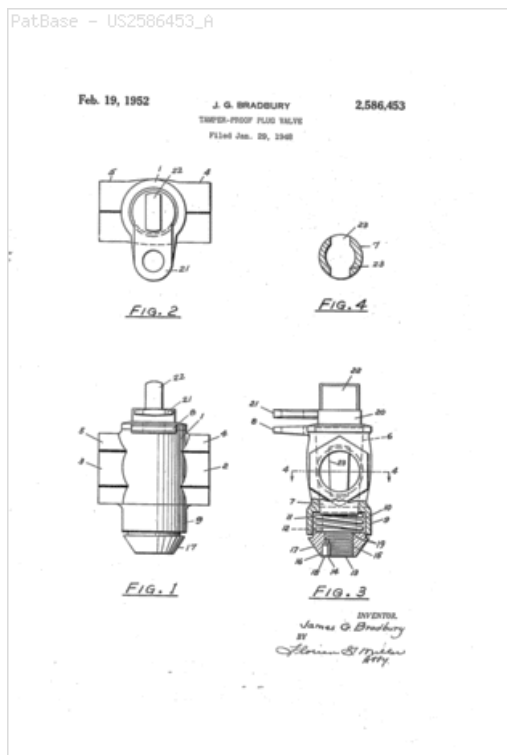
Title: TAMPERPROOF PLUG VALVE

Abstract: Source: US2586453A (Claim 1) 1. A plug valve comprising a body having a tapered seat and an inlet and an outlet and a depending skirt, a rotatable tapered plug disposed on said seat having an apertured portion for registration with said inlet and said outlet i -, and having a reduced threaded end with a longitudinally extending groove on the peripheral surface thereof, said threaded end defining a shoulder spaced a predetermined distance from the end thereof, an inverted, conical shaped -0 threaded member for threadably engaging the threaded end of said plug and said shoulder and having the lateral outer side thereof tapered and coincidental with a contour line embodying the outer side of said body, a portion of said threaded member being telescopically disposed in said skirt and being relatively movable thereto a p-redetermined distance, said threaded member having a longitudinally extending, semi-circular shaped internal groove -for registration with the groove on the end of said plug, a pin disposed in said registered grooves engaging said threaded end of said plug and said threaded member, and a coil spring surrounding said plug within said skirt and engaging said threaded member for i.-) urging said plug on its seat.

Classifications:

International (IPC 8-9): F16K5/02 F16K5/16 (Advanced/Invention);
F16K5/00 (Core/Invention)

International (IPC 1-7): F16K31/60
CPC: F16K5/02 F16K5/165
European: F16K5/02 F16K5/16C3
US: 251/183



Family:

Publication number	Publication date	Application number	Application date
US2586453 A	19520219	US19480005051	19480129

Priority:

US19480005051 19480129

Probable Assignee: HAYS MFG CO
Assignee(s): (std): HAYS MFG CO ; HAYS MFG COMPANY
Assignee(s): HAYS MANUFACTURING COMPANY
Inventor(s): (std): BRADBURY JAMES G

3) Family number: 184981 (US3306975A)

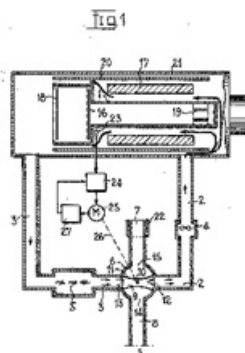
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Title: Television camera system having improved temperature control

Abstract: Source: GB985829A 985,829. Non-refillable containers. PERNOD. June 6, 1962 [June 6, 1961], No. 21879/62. Heading B8D. A stopper for a non-refillable container comprises a tubular member insertable into the neck 12 of the container, its recess being divided into two channels 6 and 7 by a partition 8, each channel having a valve member 9 and 10 respectively, at its base which by means of gravity closes the channel when the container stands upright and uncovers it when the container is in a pouring position, means in each channel for limiting the displacement of the valve member, and means overlying the valve members for preventing the members being tampered with but allowing the free flow of the contents from the container. The tubular member comprises a tubular body 1 connected by a flange 3 to a cylindrical member 2 which has a bottom 2a formed with apertures 4 and 5 on which seat ball valves 9 and 10. A cross wall 11 partially covering the circular crosssection of the casing 2 prevents the balls escaping when the container is inverted and together with the flange 3 forms a baffle to prevent insertion of a tool into the device to dislodge the balls. Bars 13 restrict lateral movement of the balls. A compressible sleeve 14 surrounds the tubular body 1 being spaced therefrom at its upper end to accommodate a screw cap 16 covered by a tearable capsule 17 which is surrounded by a jacket 15. In another embodiment the tubular member is adapted for direct insertion into the neck of a bottle and has at its upper end an outer flange for engaging the bottle neck, its lower end being open to receive a plastics moulded insert member comprising a circular base with two apertures for seating ball valves, a diametric partition wall extending upwards from the base and three vertically-spaced baffle elements, the base being forcibly engaged in a groove in the lower end of the tubular member.

Classifications:

International (IPC 8-9): B65D49/04 H01J7/24
H04N5/225 (Advanced/Invention);
B65D49/00 H01J7/00 H04N5/225 (Core/Invention)
International (IPC 1-7): B65D49/02 B65D49/04 B65D49/10 B67B
F16K19/00 F28F27/00 G05D23/13 H01J19/74 H04N5/26
CPC: H01J7/24 H04N5/2252 B65D49/04
European: B65D49/04 H01J7/24 H04N5/225C2
US: 313/12 313/13 313/17 313/22 313/35 315/112 348/243 348/244
348/E05.026 348/E5.026 348/E50.26 62/3.2



Inventor
JACQUES DONNA
By William H. Smith & Associates
Attorneys

Publication number	Publication date	Application number	Application date
AT244409 B	19660110	AT19630009610	19631202
AU3839063 A1	19650603	AU19630038390	19631203
BE618520 A1	19621001	BE19620618520	19620605
BE640668 A	19640401	BE19630640668	19631202
CH381547 A	19640831	CH19620006793	19620605
CH406449 A	19660131	CH19630014840	19631204
DE1233297 A	00000000		00000000
DE1233297 B	19670126	DE1962P029576	19620606
DE1240920 B	19670524	DE1963C031547	19631129
DK115302 B	19690922	DK19620002514	19620606
FR1299001 A	19620720	FR19610863991	19610606
FR1352182 A	19640214	FR19620917900	19621207
FR81736 E	19631102	FR19620899067	19620529
FR82595 E	19640306	FR19620915603	19621116
GB985829 A	19650310	GB19620021879	19620606
GB993823 A	19650602	GB19630048084	19631205
LU41833 A	19620806		19620605
MC367 A	19630219	MC19620000393	19620605
NL301327 A	19650927	NL19630301327	19631204
OA1098 A	19680807	OA19640051221	19641230
OA51 A	19660115	OA19640050157	19640624
OA51 E	19680807	OA19640051222	19641230
US3306975 A	19670228	US19630327184	19631202

FR19610863991 19610606 FR19620899067 19620529 FR19620915603 19621116
FR19620917900 19621207

Assignee(s): ANONYME PERNOD SOC ; CIE FRANCAISE THOMSON HOUSTON ; COMPAGNIE FRANCAISE THOMSON HOUSTON ; COMPAGNIE FRANCAISE THOMSON HOUSTON HOTCHKISS BRANDT ; FA PERNOD ; FRANCAISE THOMSON HOUSTON COMP ; PERNOD SOCIETE ANONYME ; SOCIETE ANONYME DITE PERNOD ; PERNOD S A ; PERNOD SOC ANONYME ; FRANCAISE THOMSON HOUSTONHOTCHKISS BRANDT COMP

Inventor(s): JACQUES DOLINAY

Abstract: Source: GB1198382A 1,198,382. Pouring spouts for containers. CORRUGATED CONTAINER CO. 22 April, 1968, No. 18914/68. Heading B8D. [Also in Division F2] Telescopic dispensing valve for a container, especially for milk, comprises a hollow valve member 50 closed at one end and having a radial port 58 near this end, the member is slidable in a positioning sleeve 45 which is slidable in turn in a fixed guide sleeve 40. This sleeve 40 is integral with a cap 38 which snaps on to the neck 31 of the container by means of a co-operating groove and bead 33, 41. The container is preferably made by blow moulding in a thermoplastic such as polyethylene or propylene, and the valve ports also may be of plastics material. The

container wall is recessed as shown so that when the valve member and positioning sleeve are both retracted, the valve will lie within the outline of the container which will stack snugly in a case along with others, whilst in dispensing position the port 58 will suitably overhang a shelf 5. For hygienic reasons, the end of the sleeve 45 over which milk will flow before the valve is fully opened, is protected by enclosure in an annular recess 61 of the valve member. The member has a flange 55 serving as a pull tab and shaped below as a pointer 57. Projections 52, 53 in the sleeve 45 and similarly in the sleeve 40 act as seals. A groove 47b in the rear of the positioning sleeve snaps into engagement with the projection 51 to locate the valve in open position whilst a shoulder 47 bears on the rear of the guide sleeve. To avoid tampering with the container, the valve member is secured to the cap by a tie 65 which must be broken to open the valve.

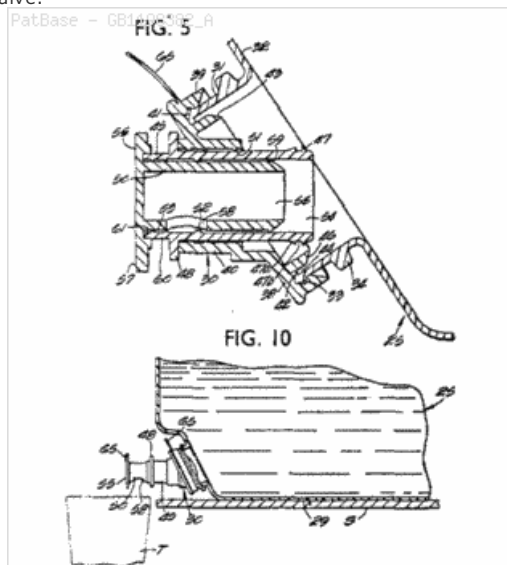
Classifications:

International (IPC 8-9): B65D25/44 B65D47/28 (Advanced/Invention); B65D25/38 B65D47/04 (Core/Invention)

International (IPC 1-7): F16K21/00

CPC: B65D25/44 B65D47/283 B65D2101/0023

European: B65D25/44 B65D47/28B L65D101/00A3



Family:

Publication number	Publication date	Application number	Application date
GB1198382 A	19700715	GB19680018914	19680422

Priority:

GB19680018914 19680422

Probable Assignee: CORRUGATED CONTAINER COMPANY
Assignee(s): (std): CORRUGATED CONTAINER COMPANY
Assignee(s): THE CORRUGATED CONTAINER COMPANY
Inventor(s): (std): CONNERS JOHN P ; DAVIS SAMUEL B
Inventor(s): JOHN P CONNERS ; SAMUEL B DAVIS

5) Family number: 7670939 (US3797286A)

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Title: CONCEALED LOCK FOR WATER SERVICE CUT-OFF BOX

Abstract: Source: US3797286A This lock consists of only a stepped cylindrical body the reduced lower shank portion of which fits snugly in the upper end of the stand-pipe with the shouldered upper end resting on the stand-pipe so as to locate the radially movable bolt at the exact level of a keeper hole drilled radially in the upper end portion of the stand-pipe. A press fit ring applied to the outside of the pipe closes the outer end of the hole to protect the lock against dirt and moisture from outside the pipe. A key in possession of an authorized employee of the city water department serves to unlock the lock so it can be removed when a T-wrench of suitable length to reach down below the frost line is to be applied to the stem of the shut-off valve through the stand-pipe to open or close the valve. The usual screw-on cover cap at ground level threads onto the upper end of the stand-pipe and serves to conceal and protect the lock against being tampered with. Usually the aforesaid T-wrench serves also to unscrew this cap and replace it.

Classifications:

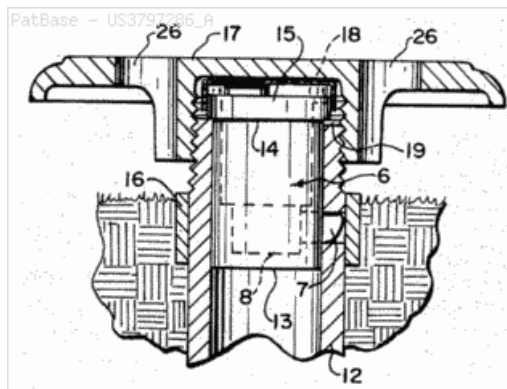
International (IPC 8-9): F16K35/06 F16K35/10 (Advanced/Invention); F16K35/00 (Core/Invention)

International (IPC 1-7): F16K35/00 F16K35/10

CPC: F16K35/10 F16K35/06 Y10T70/5589 Y10T70/5628 Y10T70/8649 Y10T137/6995

European: F16K35/06 F16K35/10

US: 137/364 138/89 70/16.9 70/169 70/178 70/455



Family:

Publication number	Publication date	Application number	Application date
US3797286 A	19740319	US19720275235	19720726

Priority:

US19720275235 19720726

Probable Assignee: SPINELLO J
Assignee(s): (std): FASULA F ; SPINELLO J

Assignee(s): SPINELLO J US ; FASULA F US
Inventor(s): (std): SAPORITO J
Inventor(s): SAPORITO J US

6) Family number: 1382740 (US4140148A)

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Title: PRESSURE RELIEF VALVE FOR PRODUCT CONTAINERS

Abstract: Source: US4140148A A combined relief valve and lid structure is provided for pre-mix beverage and syrup containers having a tubular body enclosing a relief port in the lid, an annular valve seat surface about the relief port and raised higher than the lid surface and drain ports extending from the valve seat surface down to the lid surface to enhance drainage of the entire internal portion of the valve body. The relief port is closed by a spring biased poppet and has a biasing spring held in place in the top of the tubular body by a one-way detent and retainer clip arrangement which must be destroyed to remove it from the valve body to gain access to the relief valve poppet. The valve cannot be tampered with unless this retainer clip for the valve spring is destroyed. The retainer clip is ported to permit cleaning steam or other fluid to enter the top of the valve and drain off through the drain ports without accumulation of condensate or residual fluid in the valve. The poppet is basically cylindrical with relieved vertical side portions or flats to enhance drainage and exposure of the valve surface for cleaning.

Classifications:

International (IPC 8-9): B65D51/16 B67D1/14

F16K17/04 (Advanced/Invention);

B65D51/16 B67D1/00 F16K17/04 (Core/Invention);

F16K (Subclass/Invention)

International (IPC 1-7): B65D51/16 B65D85/72 B67D1/14

F16K15/02 F16K17/04 F16K24/04

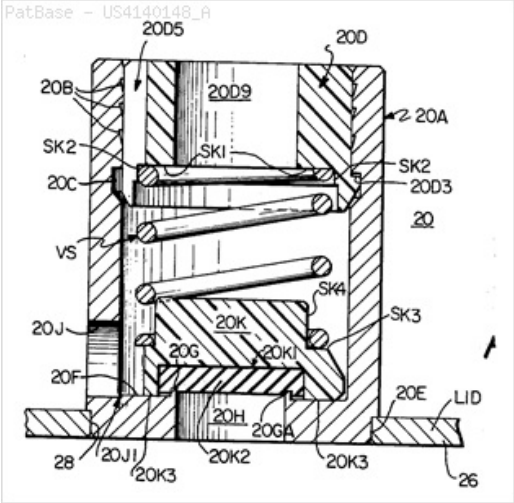
CPC: Y10T137/4259 Y10T137/7868 Y10T137/7929 Y10T137/7938

Y10T137/8811 F16K17/0466 B65D51/1644 F16K17/0413 F16K17/04

European: B65D51/16D2 F16K17/04 F16K17/04C F16K17/04J

US: 137/240 137/516.29 137/540 137/543.21 137/797 220/203.27

220/214



Family:

Publication number	Publication date	Application number	Application date
AU197730755 A1	19790524	AU19770030755	19771118
AU511632 B2	19800828	AU19770030755	19771118
BR7707705 A	19780620	BR19770007705	19771118
ES464294 A1	19790616	ES19770464294	19771118
ES472968 A1	19790216	ES19780472968	19780830
US4140148 A	19790220	US19760739397	19761118
US4170243 A	19791009	US19780938717	19780831

Priority:

AU19770030755 19771118 US19760739397 19761118 US19780938717 19780831

Probable Assignee: COCA COLA CO

Assignee(s): (std): COCA COLA CO

Assignee(s): COCA COLA CO THE ; COCA COLA COMPANY THE ; THE COCA COLA COMPANY

Inventor(s): (std): RICHTER S ; RICHTER S J ; RICHTER SIMON J

Inventor(s): S J RICHTER ; SJ RICHTER

Agent(s): HA

7) Family number: 4667705 (DE2758865A1)

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Title: HYGIENISCHES UEBERDRUCKVENTIL PRESSURE RELIEF VALVE FOR BEVERAGE CONTAINER - HAS SPRING BIASSED POPPET SEALING ANNULAR SEAT IN RELIEF PORT OF CONTAINER LID (BR 20.6.78)

Abstract: Source: DE2758865A1 (Claim1) Hygienisches Ueberdruckventil zur Druckentlastung der Innenseite einer Behaelterwand gegenueber derUmgebung des Behaelters, gekennzeichnet durch eine Behaelterwand, einen rohrfoermigen Ventilkoeper (20A) mit einem offenen aeusseren Ende und einem an der genannten Wand anliegenden inneren Ende, wobei das genannte Ende eine angehobene ringfoermigeZwischenzone (20F) und eine vorspringende ringfoermige Bordkante (20G) in der genannten Zwischenzone mit darauf befindlicher vorspringender ringfoermiger Ven tilsitzflaeche (20GA) aufweist und ferner die genannteBordkante und der genannte Ventilsitz eine Entlueftungs oeffnung (20H) definieren, die durch die genannte Be haelterwand in das genannte innere Ende des genanntenVentilkoerpers (20A) fuehrt, eine Ventiltelleranordnung (20K), die oberhalb der ge nannten Entlueftungsoeffnung (20H) liegt und auf der ge nannten ringfoermigen Ventilsitzflaeche (20GA) und der genannten ringfoermigen Zwischenzone (20F) ruht und die genannte Entlueftungsoeffnung (20H) nach Massgabe einer an der genannten Behaelterwand herrschenden vorbe stimmten Druckdifferenz freigibt, eine Ventilfeederanordnung (VS), die praktisch koaxial durch den genannten Ventilkoeper (20A) verlaeuft und mit ihrem einen Ende an dem genannten Ventilteller (20K) anliegt, um diesen gegen den genannten Ven tilsitz (20GA) zu druecken und die genannte vorbe stimmte Druckdifferenz herzustellen, eine im offenen Ende des genannten Ventilkoeppers (20A) angeordnete und an dem anderen Ende der genanntenFeder (VS) angreifende Halterung (20D) fuer die Feder anordnung (VS), wobei die genannte Zwischenzone (20F) und der ge nannte vorspringende ringfoermige Ventilsitz (20GA) praktisch parallel der genannten Behaelterwand und in jeweils unterschiedlichem Abstand von dieser Behaelter wand angeordnet sind und dem genannten offenen Ende des genannten Ventilkoeppers (20A) naeher stehen als dieBehaelterwand, und eine Abzugsoeffnungsanordnung (20J) an dem genannten geschlossenen Ende des genannten Ventilkoeppers (20A) neben der

genannten Behälterwand, um die ringförmige Zwischenzone (20F) mit der Umgebung des genannten Ventilkörpers (20A) zu verbinden, um Flüssigkeit aus dem Innenraum des genannten Ventilkörpers (20A) zu entfernen, wobei die genannte Halterungseinrichtung (20D) mit einer zentralen Bohrung (20D9) versehen ist, die den Innenraum des genannten Ventilkörpers (20A) mit dessen Umgebung verbindet mit dem Ziel, eine Einlassöffnung für den Zutritt von Sterilisierungsflüssigkeit oder -dampf in den genannten Ventilkörper (20A) zu schaffen. The combined relief valve and lid is for pre-mix beverage and syrup containers, having a tubular body enclosing a relief port in the lid. An annular valve seat surface about the relief port is raised higher than the lid surface and drain ports extend from the valve seat surface down to the lid surface to enhance drainage of the entire internal portion of the valve body. The relief port is closed by a spring biased poppet and has a biasing spring held in place in the top of the tubular body by a one-way detent and retainer clip which must be destroyed to remove it from the valve body to gain access to the relief valve poppet. The valve cannot be tampered with unless this retainer clip for the valve spring is destroyed.

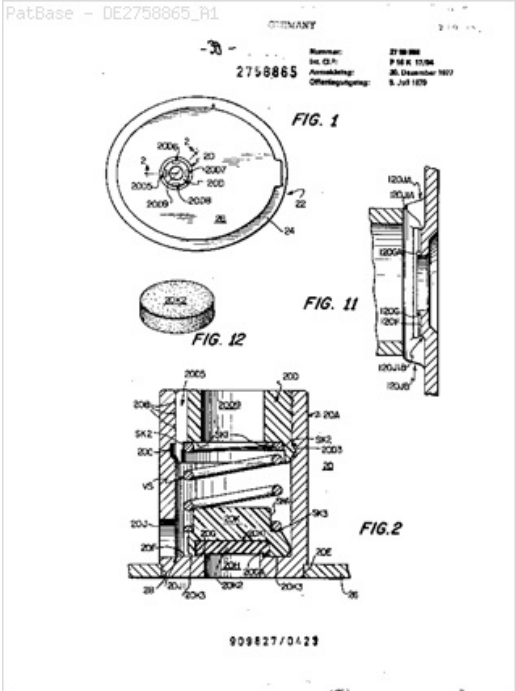
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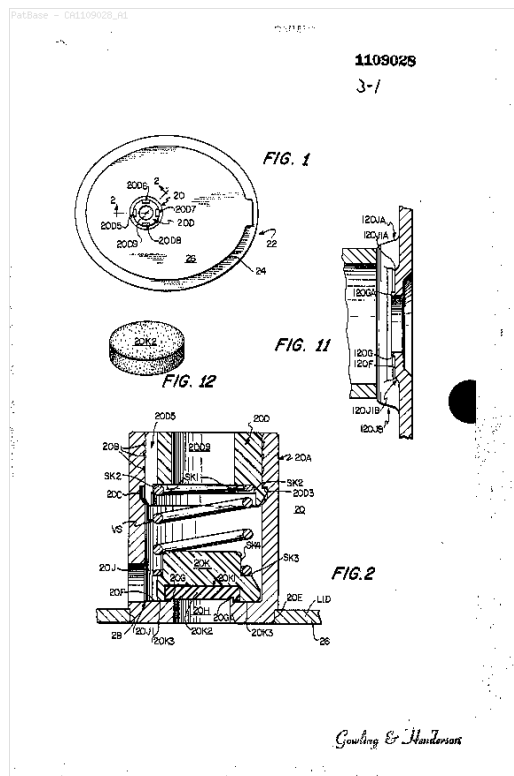
International (IPC 8-9): F16K17/04 (Advanced/Invention);
F16K17/04 (Core/Invention)

International (IPC 1-7): F16K17/04

CPC: F16K17/0413

European: F16K17/04C





Family:

Publication number	Publication date	Application number	Application date
CA1109028 A1	19810915	CA19770290891	19771115
CA1116128 A1	19820112	CA19810375487	19810414
CA1116128 A2	19820112	CA19810375487	19810414

Priority:

CA19770290891 19771115 CA19810375487 19810414

Probable Assignee:

COCA COLA CO

Assignee(s): (std):

COCA COLA CO

Assignee(s):

COCA COLA CO THE ; RICHTER SIMON J

Inventor(s): (std):

RICHTER SIMON J

Agent(s):

GOWLING LAFLEUR HENDERSON LLP

9) Family number: 4530466 (US4478242A)

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Title: FINGER-ACTUATED PUSH-PULL SLIDEABLE DISPENSING VALVE

Abstract: Source: US4478242A A dispensing valve assembly comprising a slideable valve sleeve with a radially-directed dispensing outlet movable from closed position axially within a guide portion to open position axially-outwardly of the guide portion. Keying means between the guide portion and valve sleeve ensures that the dispensing outlet is normally directed downwardly but this keying means is flexible and can be overcome to permit twisting of the valve sleeve in the guide portion to break a seal connected therebetween. Finger-engaging means are also provided to facilitate closing.

Classifications:

International (IPC 8-9): B65D47/28 F16K35/00

F16K51/00 (Advanced/Invention);

B65D47/04 F16K35/00 F16K51/00 (Core/Invention)

International (IPC 1-7): F16K35/00

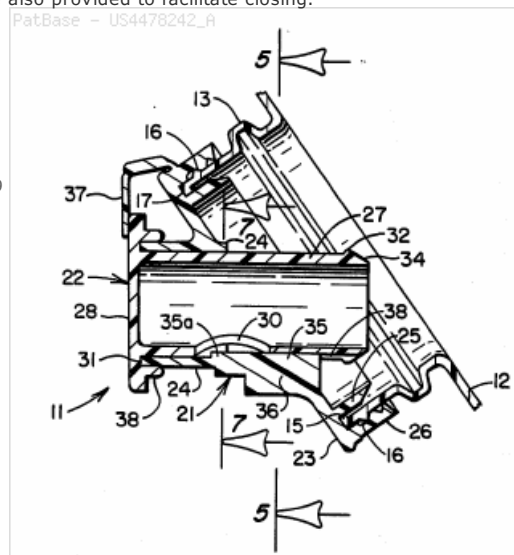
CPC: F16K51/00 B65D47/283 F16K35/00 Y10T137/7069

Y10T137/8811

European: B65D47/28B F16K35/00 F16K51/00

US: 137/383 137/797 222/153 222/153.06 222/522 222/541 222/559

251/100 251/353



Family:

Publication number	Publication date	Application number	Application date
US4478242 A	19841023	US19830526330	19830825

Priority:

US19830526330 19830825

Probable Assignee: LIQUI BOX CORP
Assignee(s): (std): LIQUI BOX CORP
Assignee(s): LIQUI BOX AN OH CORP CORP
Inventor(s): (std): BOND CURTIS J

10) Family number: 12429369 (US6098654A)

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Title: FLOW BLOCKAGE SUCTION INTERRUPT VALVE

Abstract: Source: US6098654A A flow blockage suction interrupt of the present invention reduces the dangerous possibility of bodily suction entrapment of a bather in a swimming, wading, or hydrotherapy pool. The safety valve operates to instantaneously introduce atmosphere into a suction piping system of a pool when a dangerous vacuum condition is detected. The incoming atmosphere breaks the vacuum, freeing entrapped bather. The safety valve includes a dynamic plug and dual spring-loaded actuators, one closing and one opening the valve to atmosphere. The closing actuator is dominant until the opening actuator is triggered by the dangerously high vacuum level that accompanies bodily suction entrapment. The preferred embodiment incorporates a spring-loaded telescopic actuator shaft that is spring-loaded to open fully once triggered, and is triggered by a factory-calibrated diaphragm-actuated suction sensor. Once this safety valve has been tripped, it must be manually reset by the pool operator.

Classifications:

International (IPC 8-9): A61H33/00 F16K17/04 (Advanced/Invention);

A61H33/00 F16K17/04 (Core/Invention)

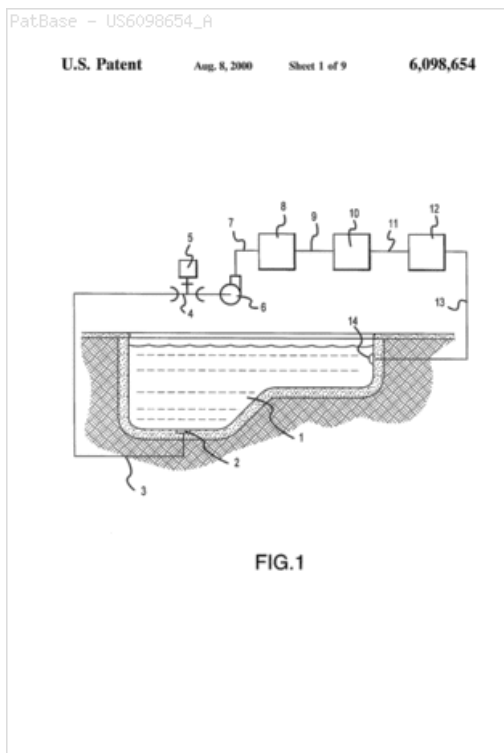
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CPC: Y10S137/907 A61H33/6073 A61H2201/0176 F16K17/042

Y10T137/7734 Y10T137/8275

European: A61H33/60F2 F16K17/04D K61H201/01L2

US: 137/467 137/556 137/907



Family:

Publication number	Publication date	Application number	Application date
US6098654 A	20000808	US19990235232	19990122

Priority:

US19990235232 19990122

Probable Assignee: FAIL SAFE LLC
Assignee(s): (std): FAIL SAFE LLC
Inventor(s): (std): COHEN JOSEPH D ; MEYER RICHARD E

11) Family number: 30746560 (US2004159133A)

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Title: LOCKOUT DEVICE

Abstract: Source: US2004159133A A telescoping lockout device for encasing a gate valve, electrical connection, or similar apparatus, for the purpose of preventing unauthorized access and tampering with the apparatus. The lockout device is comprised of two nested half cylinders attached to one another through T slot that provides for telescoping of the device between an open position, where one half cylinder is nested within the other, and a closed position, where the half cylinders form a cylinder. The T slot provides a rail on one half cylinder that inserts into a track on the other half cylinder. At the ends of the T slot track and rail is an interlock. The lockout device also has locking tabs that, when the lockout device is placed in the closed position, provide overlapping locking openings into which a lock, such as a padlock, can be inserted.

Classifications:

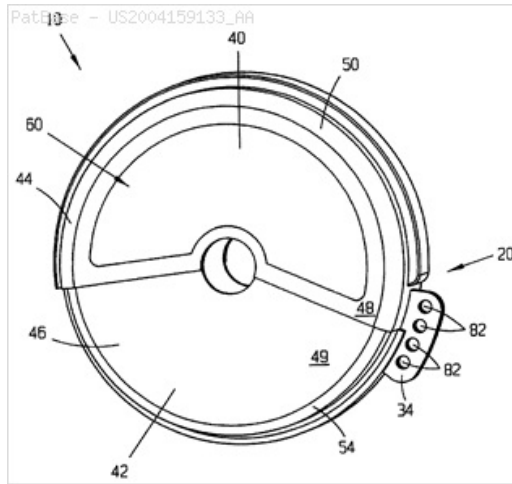
International (IPC 8-9): B65D55/14 E05B13/00 F16K35/10

G05G5/28 H01H9/20 (Advanced/Invention);

B65D55/02 F16K35/00 G05G5/00 (Core/Invention)

International (IPC 1-7): B65D55/14 E05B13/00 F16K35/00

G05G1/00 H01H9/20
CPC: Y10S70/58 Y10T70/5566 Y10T70/5628 Y10T70/5637
Y10T70/5765 Y10T70/5867 F16K35/10 G05G5/28
European: F16K35/10 G05G5/28
US: 70/164 70/164P 70/178 70/178S 70/180 70/209 70/232 70/232S
70/DIG.58



Family:

Publication number	Publication date	Application number	Application date
CA2455760 AA	20040714	CA20042455760	20040114
CA2455760 C	20110315	CA20042455760	20040114
CN100416723 C	20080903	CN200410006708	20040113
CN1624839 A	20050608	CN200410006708	20040113
US2004159133 AA	20040819	US20040707809	20040114
US2007220932 AA	20070927	US20070695431	20070402
US7197904 BB	20070403	US20040707809	20040114
US7752876 BB	20100713	US20070695431	20070402

Priority:

CA20042455760 20040114 US20030439885P 20030114 US20040707809 20040114
US20070695431 20070402

Probable Assignee: MASTER LOCK CO LLC

Assignee(s): (std): MASTER LOCK CO ; MASTER LOCK CO LLC

Assignee(s): MASTER LOCK COMPANY ; MASTER LOCK COMPANY LLC ; MEEKMA GLENN P ; ROHDE CHRISTOPHER ; JOHNSON MARK ; MARCELLE JESSE A

Inventor(s): (std): BROJANIC MICHAEL ; JOHNSON MARK ; MARCELLE JESSE ; MARCELLE JESSE A ; MARK JOHNSON ; MEEKMA GLENN ; MEEKMA GLENN P ; ROHDE CHRISTOPHER ; JESSE MARCELLE ; GLENN MEEKMA ; CHRISTOPHER ROHDE

Agent(s): RIDOUT AND MAYBEE LLP; CALFEE HALTER AND GRISWOLD LLP

12) Family number: 45000437 (US2010123014A)

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Title: THERMOSTATIC MIXING VALVE WITH TAMPER RESISTANT ADJUSTMENT FEATURE

Abstract: Source: US2010123014A A thermostatic mixing valve having a temperature adjustment mechanism for adjusting the temperature of the discharge fluid exiting a fluid outlet of the thermostatic mixing valve. The thermostatic mixing valve may include a tamper-resistant feature that resists accidental adjustment of the discharge fluid temperature, and in some cases, does not require specialized tools for purposeful adjustment.

Classifications:

International (IPC 8-9): F16K11/06 G05D23/13

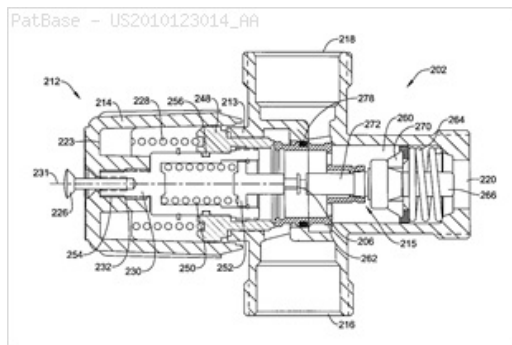
G05D23/185 (Advanced/Invention);

F16K11/06 G05D23/01 (Core/Invention)

CPC: G05D23/1346 F16K31/002

European: F16K31/00C G05D23/13B4D2

US: 236/12.1 236/12.11 236/12.2 236/12.200P



Family:

Publication number	Publication date	Application number	Application date
US2010123014 AA	20100520	US20080273307	20081118
US8733666 BB	20140527	US20080273307	20081118

Priority:

US20080273307 20081118

Probable Assignee: HONEYWELL INT INC

Assignee(s): (std): BEAGEN JOSEPH WILLIAM ; HONEYWELL INT INC

Assignee(s): HONEYWELL INTERNATIONAL INC

Inventor(s): (std): BEAGEN JOSEPH WILLIAM

Agent(s): HONEYWELL/CST,PATENT SERVICES; HONEYWELL CST PATENT SERVICES; SEAGER TUFTE WICKHEM LLC

Title: AIRFROMTHERE - EXOTIC AIR SYSTEM

Abstract: Source: US2011061342A According to the invention air is trapped at an origin location in a container, and the container is sealed to hermetically confine the trapped air therein. The container is then provided with literature identifying the origin location at which the air was trapped and giving other information regarding this origin location. Then the container with the literature is shipped to a destination location distant from the origin location. Finally the container is opened and the trapped air is consumed.

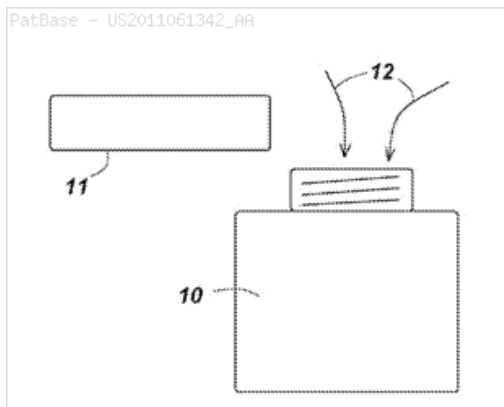
Classifications:

International (IPC 8-9): B65B31/02 B65B61/02 B65B7/00 F16K21/16 F17C13/00 (Advanced/Invention)

CPC: F17C13/005 F16K21/16 A47G33/00 F16K24/06 B65B61/02 F17C13/00 G01N37/00 A63B41/12 A63B2071/0694 A63B2102/18 A63B2243/0037

US: 206/0.6 206/0.600P 206/6 251/22 53/411 53/411S 53/432 53/432P 53/467 53/467S 53/476 53/476S

Locarno class: 20/66



Family:

Publication number	Publication date	Application number	Application date
US2011061342 AA	20110317	US20090558633	20090914
US2011127173 AA	20110602	US20110024869	20110210
US2014048427 AA	20140220	US20130066245	20131029
US8789346 BB	20140729	US20110024869	20110210

Priority:

US20090558633 20090914 US20110024869 20110210 US20130066245 20131029

Probable Assignee:

HELBLING EDWARD

Assignee(s): (std):

HELBLING EDWARD

Inventor(s): (std):

HELBLING EDWARD

Agent(s):

ANDREW

Title: TOP OPERATING TELESCOPING ADJUSTABLE VALVE BOX AND VALVE STEM ASSEMBLY

Abstract: Source: US8082945B A top operating telescoping adjustable valve box and valve stem assembly that incorporates a telescoping valve stem actuating system which, when coupled to a service valve, allows for the operation from ground level without the removal of a plug or lid. The system has a large range of vertical adjustability. The upper and lower sections of the assembly are in frictional connection with each other, which allows no transmittal of force to the lower section when any upward force to the upper section is applied, thus reducing damage to the buried valve and pipeline. The assembly provides a tracing block terminal, located on the top base, to allow for the connection of tracing wire from the valve top to the service pipe for service line location. The assembly also incorporates the placement of a tamper proof cap for the prevention of unauthorized operation of valve stem system.

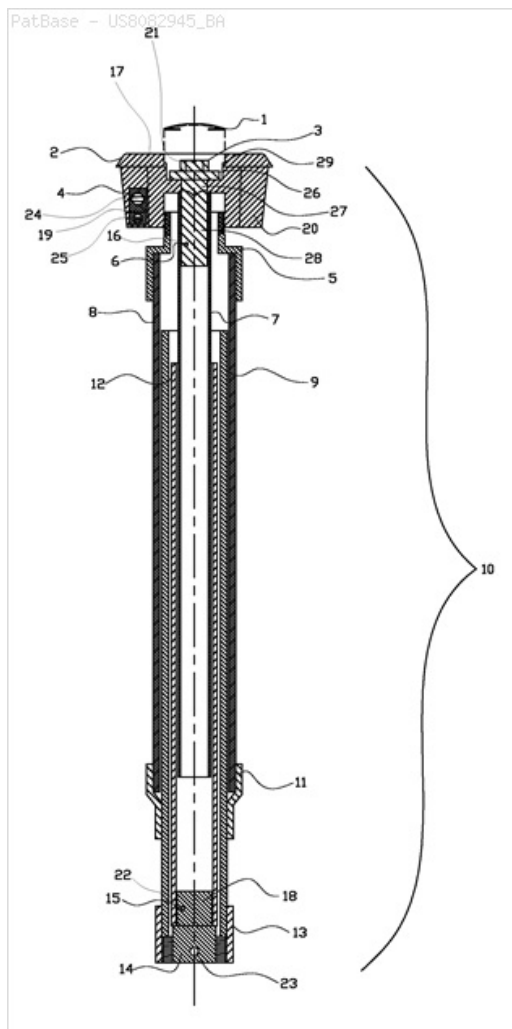
Classifications:

International (IPC 8-9): F16K51/00 (Advanced/Invention)

CPC: F16K31/46 F16K27/006 Y10T137/7014 Y10T137/7017

European: F16K27/00C F16K31/46

US: 137/369 137/370 251/293



Family:

Publication number	Publication date	Application number	Application date
US8082945 BA	20111227	US20090571818	20091001

Priority:

US20080102035P 20081002 US20090571818 20091001

Probable Assignee: E Z INNOVATIONS LLC

Assignee(s): (std): E Z INNOVATIONS L L C ; JACOBS JOHN LEONARD ; WHITE DENNIS WAYNE

Assignee(s): E Z INNOVATIONS LLC

Inventor(s): (std): JACOBS JOHN LEONARD ; WHITE DENNIS WAYNE

Agent(s): SHUTTLEWORTH AND INGERSOLL PLC; JAMES C

15) Family number: 67057848 (US9772047B)

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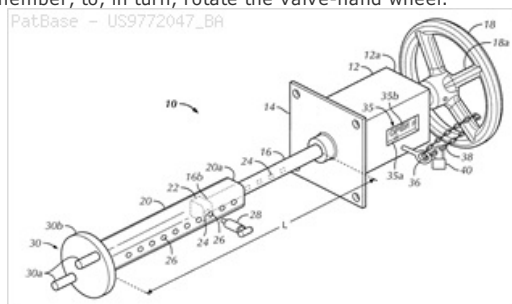
Title: CROSS-WALL INDICATOR POST

Abstract: Source: US9772047B A cross-wall indicator post is provided to control through a wall, open and closed configurations of a piping system control valve having a manual actuator with a valve-hand wheel. The indicator post includes a post body having a mounting flange to mount the post body to a wall separating the post body from the control valve. An operating stem extends through the post body and is adjustably, slidably, non-rotatably, telescopingly engaged with an extension rod. A post-hand wheel is engaged with the operating stem for rotation thereof. An engagement member is fixedly attached to the extension rod, configured to be selectively, mechanically engageable with, and releasable from, the valve-hand wheel to actuate the control valve between the open and closed configurations thereof. Rotation of the post-hand wheel rotates the operating stem, the extension rod, and the engagement member, to, in turn, rotate the valve-hand wheel.

Classifications:

International (IPC 8-9): F16K1/20 F16K31/46 F16K31/60 F16K35/06 F16K37/00 (Advanced/Invention)

CPC: F16K31/46 F16K1/2007 F16K31/60 F16K35/06 F16K37/0008



Family:

Publication number	Publication date	Application number	Application date
US9772047 BA	20170926	US20160188426	20160621

Priority:

US20160188426 20160621

Probable Assignee: GLOBE FIRE SPRINKLER CORP

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Inventor(s): MEYER STEPHEN J ; RINGER YORAM

Agent(s): PANITCH SCHWARZE BELISARIO AND NADEL LLP