

1) Family number: 46868960 (US2010237103A)

© PatBase

Title: PERSONAL DEFENSE SPRAY DEVICE

Abstract: A self defense spray device comprising a spray unit having a spray canister with an irritant spray, a nozzle operable to release the irritant spray, and a first connector attached to the spray canister. The device further includes a holder having a second connector adapted to releasably engage the first connector to releasably connect the spray unit to the holder, and a safety mechanism that prevents the nozzle from releasing the spray when the spray unit is connected to the holder, thus disarming the device. Once the spray unit is removed from the holder, the safety no longer blocks the nozzle thus arming the device.

Classifications:

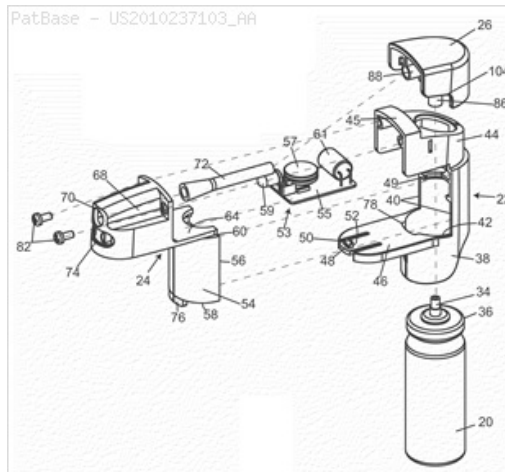
International (IPC 8-9): A45F5/00 B65D83/00 B67D5/06 F41C33/00 F41H9/10 (Advanced/Invention);

A45F5/00 F41C33/00 F41H9/00 (Core/Invention)

CPC: F41H9/10

European: F41H9/10

US: 169/75 222/153.13 222/183 222/325 222/402.11 224/914

**Family:**

Publication number	Publication date	Application number	Application date
EP2409112 A1	20120125	EP20100753042	20100318
EP2409112 A4	20140430	EP20100753042	20100318
US2010237103 AA	20100923	US20090406905	20090318
US8453883 BB	20130604	US20090406905	20090318
WO10105358 A1	20100923	WO2010CA00399	20100318

Priority:

US20090406905 20090318 WO2010CA00399 20100318

Probable Assignee: MACE SECURITY INT INC

Assignee(s): (std): CHAN YING CHIU ; HABERMANN SVEN ; PERRIN BRIAN ; TSANG FREDDIE ; BIGFOOT HOLDINGS LTD

Assignee(s): BYMETHOD DESIGN INC ; MACE SECURITY INT INC

Inventor(s): (std): HABERMANN SVEN ; CHAN YING CHIU ; PERRIN BRIAN ; TSANG FREDDIE

Agent(s): MEYER THORSTEN; NEXUS LAW GROUP LLP; ZSIGMOND OTTO

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 CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

2) Family number: 18046740 (DE7043259U)

© PatBase

Abstract: Source: DE7043259U [DE] (Claim 1) 1. Wandhalterung fuer eine der Luftreinigung dienende Spraydose mit einem mittels einer Zugkordel bedienbaren, auf den Sprueh- kopf der Spraydose einwirkenden Druckglied, dadurch gekennzeichnet, dass die die Spraydose (1) aufnehmende Wandhalterung (2, 3) von einem eine Spruehoeffnung (16) aufweisenden, und mit einer Zugkordel (17) versehenen Gehaeuse (8) umgeben ist, welches gleitbar mit der Rueckwand (3) der Dosenhalterung verbunden ist und mit der Deckelwand (9) sich auf den Spruehkopf (4) der Dose (1) aufsetzt.

Machine translation: (Claim 1) 1 Wall bracket for serving one of the Luftreinigung aerosol can with a controllable means of a Zugk @ rdel on the spray head of the spray applied pressure element, is characterized in that the spray can (1) receiving wall bracket (2, 3) by a one spray orifice (16) having, and with a drawstring (17) bearing housing (8) is surrounded, is which is connected slidably to the back wall (3) the dose holder and the cover wall (9) to the spray head (4) of the can (1) touches the ground.

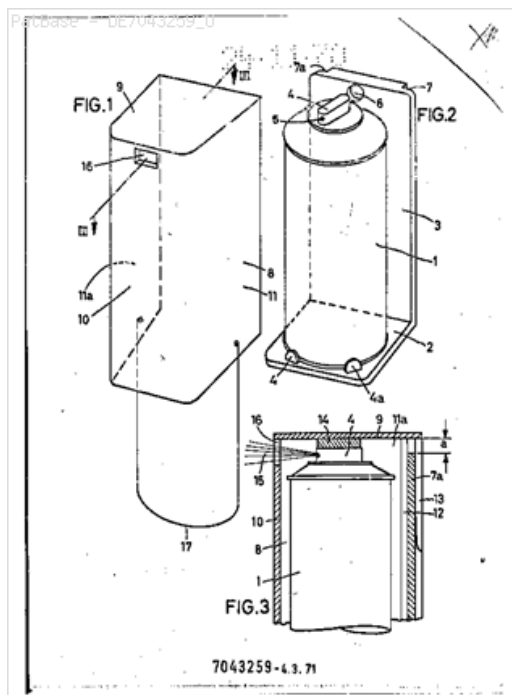
Classifications:

International (IPC 8-9): B65D77/00 B65D83/14 (Advanced/Invention); B65D77/00 (Core/Invention)

International (IPC 1-7): B05B15/00 B65D77/00 B65D83/00 G05G1/00

CPC: B65D83/386

European: B65D83/38E2



Family:

Publication number	Publication date	Application number	Application date
DE7043259 U	19710304	DE1970043259U	19701124
FR2115799 A5	19720707	FR19710035974	19711006

Priority:

DE19700043259U 19701124

Probable Assignee: FA R DIETSCH

Assignee(s): (std): DIETSCH ROMAN ; DIETSCH ROMAN FA

Assignee(s): FA R DIETSCH

3) Family number: 16338633 (DE7000523U)

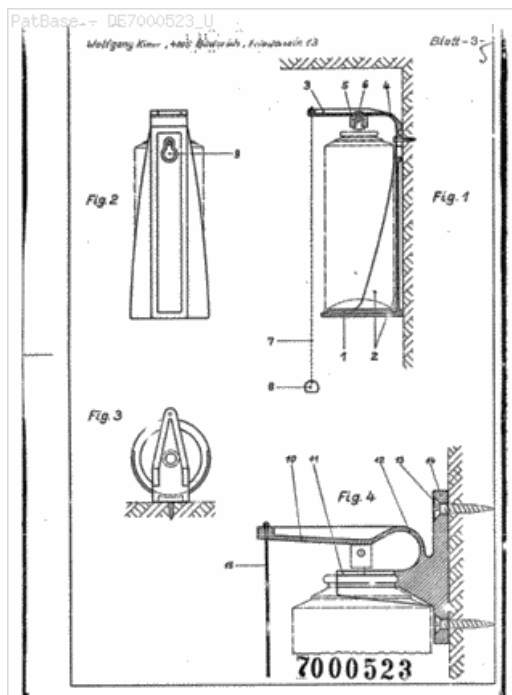
© PatBase

Title: HALTER FUER SPRUEHDOSE. HOLDER in spray cans. (Machine translation)

Abstract: Source: DE7000523U [DE] (Claim 1) 1.) Halter fuer Sprdhflasche (Figur 1,2 u. 3) insbesondere fuer Mittel zur Luftverbesserung, zum Aufhaengen oder Befestigen an einer Wand, gekennzeichnet durch einen Hebel, der ueber die Flasche beweglich am Halter angebracht ist und durch Ziehen an einer Schnur den Spruehknopf der Flasche niederdrueckt. 20) Halter nach Anspruch 1, dadurch gekennzeichnet, dass in den Hebel eine Kappe drehbar eingesetzt ist, mit einer Aussparung fuer den Austritt des Spruehstrahles, die den Spruehkopf der Flasche uebergreift und gegen Herausfallen der Flasche sichert. 3.) Halter nach Anspruch 1, dadurch gekennzeichnet, dass Halter und Hebel einteilig aus einem elastischen Material bestehen. 40) Halter nach Anspruch 1 und 2 mit einer Konsole zum Aufstellen der Flasche. 5.) Halter nach Anspruch 1 und 3 mit einer gegabelten sich spreizen, den Aufnahme fuer eine Flasche mit wulstartiger Verdickung am Hale, z.B. Boerdelbung, Fiur 4.

Machine translation: (Claim 1) 1) Holder for Sprdhflasche (figure 1.2 and 3) in particular for a means of improving air quality, for hanging or mounting on a wall, characterized by a lever mounted on the movable over the bottle holder durch and is pulling on a string niederdrueckt the spray bottle. 20) holder of claim 1, characterized in that the lever is rotatably inserted a cap with a cutout for the exit of the spray, which affects the spray bottle and secure against falling out of the bottle. 3) holder according to claim 1, characterized in that bracket and lever are integrally from a resilient material. 40) holder of claim 1 and 2 with a console for setting up the bottle. 5) holder according to claim 1 and 3 with a forked spread out, the record for a bottle of bead-like thickening at the Hale, for example Boerdelbung, Fiur fourth

Classifications:



Family:

Publication number	Publication date	Application number	Application date
DE7000523 U	19700611	DE19700000523U	19700109

Priority:

DE19700000523U 19700109

Probable Assignee:

WOLFGANG KIMM

Assignee(s): (std):

WOLFGANG KIMM

Assignee(s):

KIMM WOLFGANG

Inventor(s): (std):

WOLFGANG KIMM

Inventor(s):

KIMM WOLFGANG

4) Family number: 22732274 (GB1141968A)

© PatBase

Title: Wall holder for pressurized spray dispenser

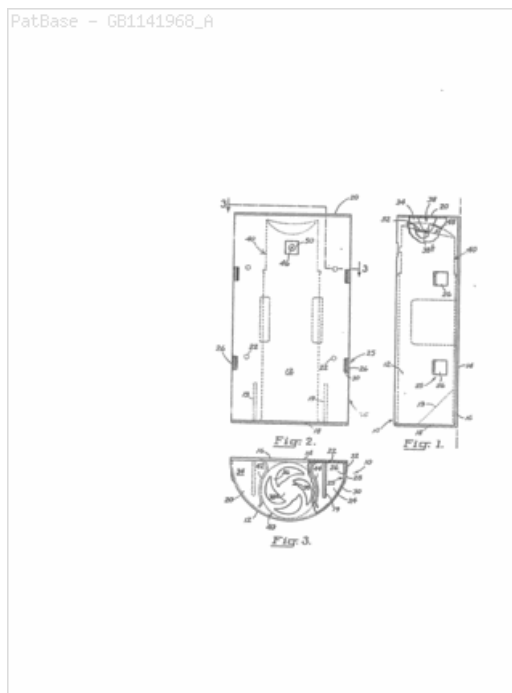
Abstract: 1,141,968. Pressurized dispensing containers. J.M. FULS. May 9,1966, No.20400/66. Heading F1R. A casing for a pressurized dispensing container is wall mounted and includes two separable parts one of which is mounted in or on the wall and having a shelf for the container; means being provided on the container casing for actuating the container valve and an aperture being provided in the front of the container for the discharged material. In one embodiment the valve actuator comprises a flexible portion of the casing top and in another a pivoted valve actuating lever combined with a delivery spout is provided.

Classifications:

International (IPC 8-9): B65D83/14 (Advanced/Invention)

CPC: B65D83/386

European: B65D83/38E2



Family:

Publication number	Publication date	Application number	Application date
GB1141968 A	19690205	GB19660020400	19660509

Priority:

GB19660020400 19660509

Probable Assignee:

JACK MARSHALL FULS

Assignee(s): (std):

JACK MARSHALL FULS

5) Family number: 3846788 (US4401240A)

© PatBase

Title: HAND HELD SPRAY CAN ADAPTER

Abstract: A holder for a cannister having a valve which is typically used for aerosol spraying is provided. The holder securely grips a cannister bead and is provided with a handle having a valve actuator for actuating the valve on the cannister. The holder provides improved stability by surrounding the body of the cannister so that it can be shaken or moved rapidly without disengagement from the cannister.

Classifications:

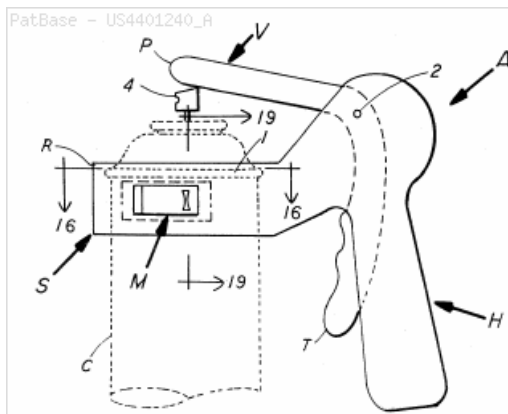
International (IPC 8-9): B65D83/16 (Advanced/Invention); B65D83/16 (Core/Invention)

International (IPC 1-7): B05B11/00

CPC: B65D83/202 Y10T403/7013 Y10T403/7066

European: B65D83/16B1D1

US: 222/323 222/474 403/352 403/374 403/374.2



Family:

Publication number	Publication date	Application number	Application date
US4401240 A	19830830	US19810236769	19810223

Priority:

US19810236769 19810223

Probable Assignee:

BRACK JOE B

Assignee(s): (std):

BRACK JOE B

Inventor(s): (std):

BRACK JOE B

6) Family number: 49899706 (US2012043349A)

© PatBase

Title: AEROSOL CONTAINER AND DISPENSER MACHINE

Abstract: Aerosol container for use in a dispenser machine. The aerosol container comprises a container body comprising an exhaust opening provided with a valve. The aerosol container further comprises a spout having a spout housing. The spout housing is fixed to the container body. The spout housing circumferences the valve. The spout comprises an inner actuating mechanism for actuating the valve to an open position. The mechanism comprises a drive member to be driven by a drive component of the dispenser machine and an actuator member to act the valve to said open position. The aerosol container has a simple and compact configuration. The provided aerosol container and dispenser machine provide a system in particular suitable for public and working environments, like factories.

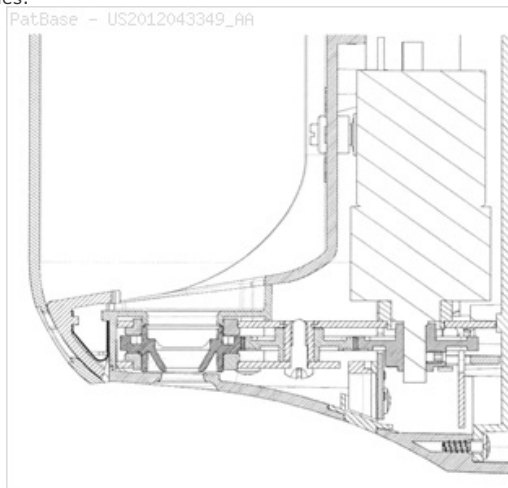
Classifications:

International (IPC 8-9): A47K5/16 A61L9/14 B65D83/00 B65D83/16 B65D83/20 B65D83/26 B67D3/00 B67D7/06 (Advanced/Invention)

CPC: B65D83/206 B65D83/207 B65D83/262

European: B65D83/26B L65D83/20C2 L65D83/20D

US: 222/153.13 222/181.3 222/181.300P 222/402.1 222/402.100S 222/504 222/504S



Family:

Publication number	Publication date	Application number	Application date
DE602011010563 D1	20141127	DE201160010563T	20110422

EP2384995 A2	20111109	EP20110163588	20110422
EP2384995 A3	20120307	EP20110163588	20110422
EP2384995 B1	20141015	EP20110163588	20110422
NL2006657 A1	20111109	NL20112006657	20110422
NL2006657 C	20111115	NL20112006657	20110422
NL2006657 C2	20111115	NL20112006657	20110422
US2012043349 AA	20120223	US20110101337	20110505
US8544696 BB	20131001	US20110101337	20110505

Priority:

NL20102004674 20100506 EP20110163588 20110422 NL20112006657 20110422

Probable Assignee: DREUMEX BV

Assignee(s): (std): DREUMEX B V ; DREUMEX BV ; RUARUS SJOERD ; VAN OIRSCHOT ROELAND PETRUS MARIA ; WILLEMSSEN ROBERT

Inventor(s): (std): RUARUS SJOERD ; WILLEMSSEN ROBERT ; VAN OIRSCHOT ROELAND PETRUS MARIA ; OIRSCHOT ROELAND PETRUS MARIA

Agent(s): KRAUS AND WEISERT PATENTANWAELTE PARTGMBB; HOLLAAR CORNELIS; THOMAS HORSTEMEYER LLP

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

7) Family number: 33278524 (EP1695720A1)

© PatBase

Title: AIR FRESHENER

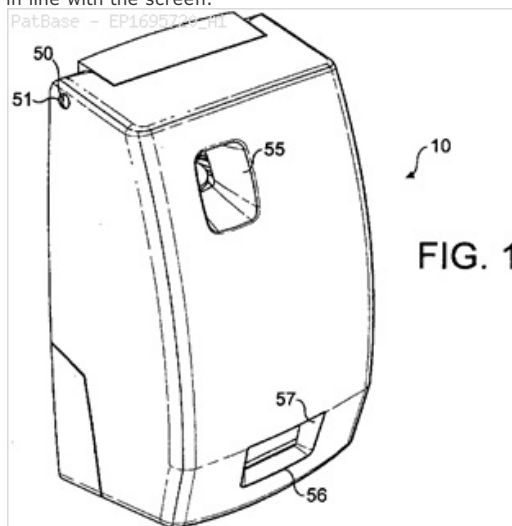
Abstract: The disclosure relates to an automatic air freshener comprising an upright base (11) for mounting on a vertical wall or other face and having upper and lower housings (13,14) to receive an aerosol can (17) containing a supply of fragrance for discharge in a spray or jet from a horizontally acting nozzle (19) at the upper end of the can and a battery pack (22). The upper housing has a battery powered mechanism (40 to 44) for causing the aerosol to discharge periodically from the nozzle and the lower housing has a control panel (24) and a display screen (25). The display screen is angled away from the vertical to face downwardly for convenient viewing of the information on the screen when the freshener is mounted on a vertical face above head height and a front cover extends over the upper and lower housings and has an upper port (55) in line with the discharge nozzle of the aerosol and a lower port (56,57) in line with the screen.

Classifications:

International (IPC 8-9): A61L12/12 A61L2/14 A61L9/14 B65D83/00 E03D9/00 (Advanced/Invention)

CPC: A61L9/14 F24F2003/1689

European: A61L9/14 R24F3/16G



Family:

Publication number	Publication date	Application number	Application date
AT412436 E	20081115	AT20060251088T	20060228
DE602006003354 D1	20081211	DE200660003354T	20060228
EP1695720 A1	20060830	EP20060251088	20060228
EP1695720 B1	20081029	EP20060251088	20060228
GB200504127 A0	20050406	GB20050004127	20050228
GB2423713 A1	20060906	GB20050004127	20050228

Priority:

GB20050004127 20050228

Probable Assignee: KENNEDY HYGIENE PRODUCTS LTD

Assignee(s): (std): KENNEDY HYGIENE PRODUCTS LTD ; KENNEDY HYGIENE PRODUCTS LTD

Inventor(s): (std): PENTLAND MICHAEL ANTHONY ; WEST GAVIN LLOYD

Inventor(s): MICHAEL ANTHONY PENTLAND ; GAVIN LLOYD WEST

Agent(s): BAYLISS GEOFFREY CYRIL

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

8) Family number: 43137082 (US2010237106A)

© PatBase

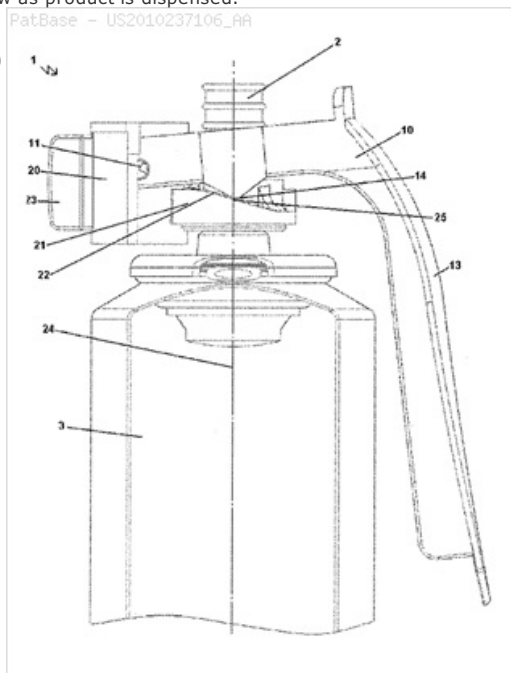
Title: PRESSURIZED PACK FOR VISCOUS MATERIALS

Abstract: The invention relates to a dispenser for dispensing an adhesive or sealant from a vessel, in particular from a

pressurized vessel, via a valve. For this purpose, the dispenser is equipped with a lever with a grip region for actuating the valve. The dispenser also has an attachment, on which the lever is fitted in a pivotable manner, and an actuator with a supporting region for the lever. The actuator is configured such that it can be rotated relative to the attachment, and the supporting region is therefore variable, in order to change the effective lever path for the actuation of the valve, for activating or deactivating the dispenser or for varying the volume flow as product is dispensed.

Classifications:

International (IPC 8-9): A47G19/00 A47G19/12 B05C17/005 B65D83/00 B65D83/14 B65D83/18 B65D83/20 B65D83/44 B67D3/00 B67D7/06 (Advanced/Invention); B05C17/005 B65D83/00 B65D83/14 B65D83/16 (Core/Invention)
CPC: B05B1/30 B65D83/201 B65D83/22
European: B65D83/20B B65D83/22 L05B1/30
US: 222/402.13 222/402.15 222/402.150P 222/402.21 222/472 222/505 222/505S



Family:

Publication number	Publication date	Application number	Application date
CA2701659 AA	20090423	CA20082701659	20081010
CA2701659 C	20140610	CA20082701659	20081010
CN101821174 A	20100901	CN200880110981	20081010
CN101821174 B	20120418	CN200880110981	20081010
DE102007049334 A1	20090416	DE200710049334	20071012
DE502008009367 D1	20130425	DE200850009367T	20081010
DK2209725 T3	20130527	DK20080805221T	20081010
EP2209725 A1	20100728	EP20080805221	20081010
EP2209725 B1	20130227	EP20080805221	20081010
ES2407599 T3	20130613	ES20080805221T	20081010
HR20130455 T1	20130930	HR20130000455	20130524
PL2209725 T3	20130830	PL20080805221T	20081010
PT2209725 T	20130529	PT20080805221T	20081010
RS52796 B	20131031	RS20130000202	20081010
RU2010118414 A	20111120	RU20100118414	20081010
RU2482042 C2	20130520	RU20100118414	20081010
SI2209725 T1	20130731	SI20080030964T	20081010
US2010237106 AA	20100923	US20100757501	20100409
US8528794 BB	20130910	US20100757501	20100409
WO09050118 A1	20090423	WO2008EP63624	20081010

Priority:

DE200710049334 20071012 EP20080805221 20081010 WO2008EP63624 20081010

Probable Assignee: HENKEL AND CO KGAA AG

Assignee(s): (std): HENKEL AG and CO KGAA ; HENKEL AND CO KGAA AG ; HENKEL KGAA ; KHENKEL U KO KGAA AG ; RHODE BIRGIT ; RHODE MATTHIAS ; RUTHE STEINSIEK KAI ; ZIEGLER JAN ; SCHWARZ RENE ; WOLF KARSTEN

Inventor(s): (std): RHODE MATTHIAS ; WOLF KARSTEN ; SCHWARZ RENE ; RUTHE STEINSIEK KAI ; ZIEGLER JAN ; RHODE BIRGIT ; RENE SCHWARZ ; KAI RUTHE STEINSIEK ; KARSTEN WOLF ; MATTHIAS RHODE ; JAN ZIEGLER ; SHVARTS RENE ; TSIGLER JAN ; RODE MATTIAS ; RUTE SHTAJNZIK KAJ ; VOL F KARSTEN

Inventor(s): RUTE-SHTAJNZIK KAJ ; VOL F KARSTEN ; RHODE CHRISTINE ; RHODE JANINE ; PFENNINGS VIVIAN SOPHIE

Agent(s): NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; ISERN JORGE; HENKEL CORP; JAMES E; STEVEN C

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 DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

9) Family number: 57413031 (US2014261711A)

© PatBase

Title: EFFICIENTLY AND EASILY OPENING AND CLOSING A CANISTER VALVE

Abstract: The present disclosure relates to a method including the steps of receiving a canister in a canister connection housing. The canister includes a canister fitment and a canister valve. The housing includes a receiver fitment and a door. The method includes the step of lowering the receiver fitment of the housing over the canister fitment. The lowering of the

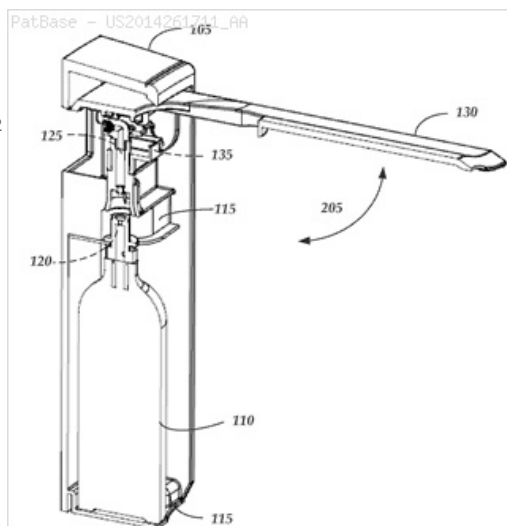
receiver fitment is caused by a closing of the housing door. The present disclosure further relates to an apparatus. An apparatus including a nest configured to receive a canister, a door configured to rotate about an angle so as to open and close, a receiver fitment configured to connect to a canister fitment, and an over-center movement mechanism connected to the door and the receiver fitment. The over-center movement mechanism is configured to move the receiver fitment along an axis as the door is rotated about the angle.

Classifications:

International (IPC 8-9): B01F3/04 B21D28/02 B21D28/14 B21D28/20 B23D15/14 B67D1/00 B67D1/04 B67D1/14 F16L21/08 F16L23/16 F16L25/00 F16L29/02 F16L55/07 (Advanced/Invention); B67D1/00 B67D1/12 (Advanced/Non-invention)

CPC: B67D1/008 B67D1/12 B67D1/125 Y10T137/0318 Y10T137/0402 Y10T137/6966 Y10T137/8593 F16L55/07 F16L29/02 B67D1/0406 B01F3/04808 B01F3/04815 B01F2003/049 B67D1/0021 B67D1/0075 B21C37/101 B21D28/14 B21D28/20 B21D39/02 B21D39/026 B21D51/10 B23D15/14 F16C2220/44 F16L9/17 F16L21/08 F16L25/0009

US: 1/1 137/1 137/15.01 137/356 137/561R 29/428 29/890.15 83/556



Family:

Publication number	Publication date	Application number	Application date
CA2907388 AA	20150915	CA20142907388	20140317
EP3030514 A1	20160615	EP20140727099	20140314
JP2016512804 T2	20160509	JP20160503105T	20140314
JP6469645 B2	20190213	JP20160503105T	20140314
US2014261711 AA	20140918	US20140209856	20140313
US2014261732 AA	20140918	US20140209623	20140313
US2016030994 AA	20160204	US20140776909	20140317
US2016069499 AA	20160310	US20150944629	20151118
US9216887 BB	20151222	US20140209623	20140313
US9518691 BB	20161213	US20140209856	20140313
US9651188 BB	20170516	US20150944629	20151118
WO14144873 A1	20140918	WO2014US29465	20140314
WO14144873 A8	20151008	WO2014US29465	20140314
WO14145737 A1	20140918	WO2014US30547	20140317

Priority:

US20130792289 20130315	US20130792289P 20130315	US20130792289P 20130315
US20140209856 20140313	US20140209623 20140313	WO2014US29465 20140314
US20140776909 20140317	WO2014US30547 20140317	US20150944629 20151118

Probable Assignee: COCA COLA CO

Assignee(s): (std): BROWNE DEVON ; BURCHFIELD BRENT ; BURKHART ERIC ; COCA COLA CO ; GREEN C BRAD ; FAMOUS IND INC D B A HEATING AND COOLING PRODUCTS COMAPNY ; LEHMAN JOSEPH ; FAMOUS IND INC D B A HEATING AND COOLING PRODUCTS CO

Assignee(s): GREEN C ; FAMOUS IND INC DBA HEATING AND COOLING PRODUCTS CO ; PNC BANK NATIONAL ASSOCIATION AGENT AS ; PRIORITY DESIGNS INC ; COCA COLA COMAPNY

Inventor(s): (std): PARRY RON ; BURKHART ERIC ; BROWNE DEVON ; LEHMAN JOSEPH ; GREEN C BRAD ; BURCHFIELD BRENT

Inventor(s): GREEN C

Agent(s): BORDEN LADNER GERVAIS LLP; JACKSON ROBERT PATRICK; INABA YOSHIYUKI; MERCHANT AND GOULD PC; KOWALCHYK KATHERINE M; GASTINEAU CHERYL L ET AL

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

10) Family number: 46784606 (US2010224651A)

© PatBase

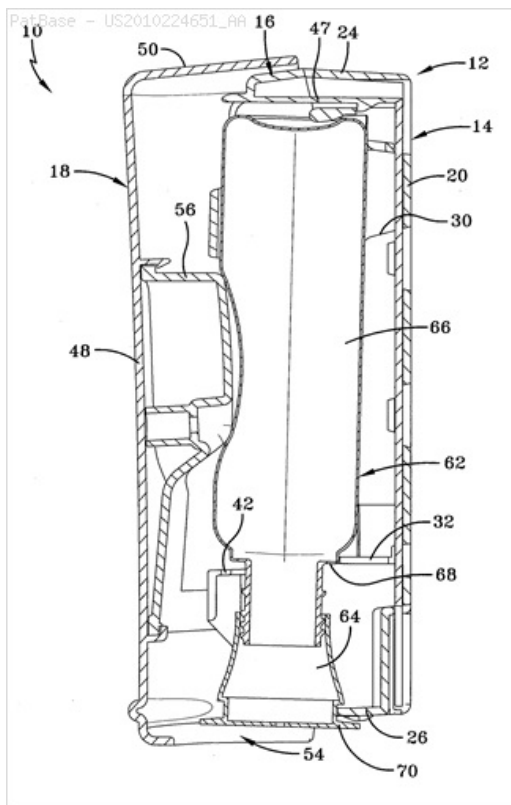
Title: DISPENSER HOUSING

Abstract: A dispenser including a housing with a backplate, an intermediary member pivotally connected to the backplate, and a cover pivotally connected to the intermediary member. The intermediary member is pivotally connected to the backplate adjacent to a first end of the housing, and the cover is pivotally connected to the intermediary member adjacent to a second end of the housing. The dispenser also includes a refill unit including a pump and a product reservoir. The product reservoir is flexible and resilient so that it can be compressed repeatedly.

Classifications:

International (IPC 8-9): A47K A47K5/06 A47K5/12 A47K5/122 A47K5/14 B05B11/04 B05B9/04 B65D35/28 B65D37/00 B65D77/06 B65D83/00 B65D83/76 B67D3/00 B67D7/34 B67D99/00 (Advanced/Invention); A47K5/12 B65D35/28 B65D77/06 B65D83/00 (Advanced/Non-invention); A47K5/00 B05B11/04 B05B9/04 B65D37/00 B65D83/00 B67D3/00 B67D99/00 (Core/Invention); A47K5/06 A47K5/14 (Core/Non-invention);

A47K (Subclass/Invention)
International (IPC 1-7): B67D7/34
CPC: A47K5/122 B65D83/0077 A46B11/0055 B65D35/285
B65D77/061
European: A47K5/122
US: 222/181.3 222/181.300S 222/182 222/190 222/195 222/214
222/214S 222/325 222/96



Family:

Publication number	Publication date	Application number	Application date
AU2010200843 AA	20100923	AU20100200843	20100305
AU2010200843 BB	20151022	AU20100200843	20100305
BRP11000540 A2	20110322	BR2010PI00540	20100305
CA2695292 AA	20100906	CA20102695292	20100303
CN101823596 A	20100908	CN201010126895	20100304
CN101823596 B	20140219	CN201010126895	20100304
DE602010012475 D1	20140213	DE201060012475T	20100303
DE602010022279 D1	20150326	DE201060022279T	20100303
DK2225988 T3	20140120	DK20100155363T	20100303
DK2687137 T3	20150511	DK20100188833T	20100303
EP2225988 A1	20100908	EP20100155363	20100303
EP2225988 B1	20131218	EP20100155363	20100303
EP2687137 A1	20140122	EP20130188833	20100303
EP2687137 B1	20150211	EP20130188833	20100303
ES2443303 T3	20140218	ES20100155363T	20100303
ES2532723 T3	20150331	ES20130188833T	20100303
HK1142507 A1	20101210	HK20100108920	20100920
HK1142507 A1	20140321	HK20100108920	20100920
HK1142507 B	20140321	HK20100108920	20100920
IN00504DE2010 A	20100917	IN2010DE00504	20100305
JP2010208694 A2	20100924	JP20100048802	20100305
JP5507293 B2	20140528	JP20100048802	20100305
KR20100100683 A	20100915	KR20100019642	20100305
MY152763 A	20141128	MY20100000975	20100305
PT2225988 T	20140225	PT20100155363T	20100303
PT2687137 T	20150515	PT20130188833T	20100303
TW201032767 A	20100916	TW20100106328	20100304
US2010224651 AA	20100909	US20090399426	20090306
US8387832 BB	20130305	US20090399426	20090306

Priority:

US20090399426 20090306 EP20100155363 20100303 EP20130188833 20100303

Probable Assignee:

GOJO IND INC ; ZLATIC DOUG

Assignee(s):

GOJO INDUSTRIES INC US ; PNC BANK NATIONAL ASSOCIATION ; STEEL CITY CAPITAL FUNDING A DIVISION OF PNC BANK ; STEEL CITY CAPITAL FUNDING A DIVISION OF PNC BANK NATIONAL ASSOCIATION ; GOJO IND INC AKRON ; GOJO INDUSTRIES INC

Inventor(s):

ZLATIC DOUG ; DOUG ZLATIC

Inventor(s):

ZLATIC DOUG NORTH ROYALTON

Agent(s):

COLLISON AND CO; TETZNER AND PARTNER MBB PATENT U RECHTSANWALTE; TETZNER MICHAEL; DE ELZABURU ALBERTO; ISERN JORGE; MARKS AND CLERK; RENNER KENNER GREIVE BOBAK TAYLOR AND WEBER

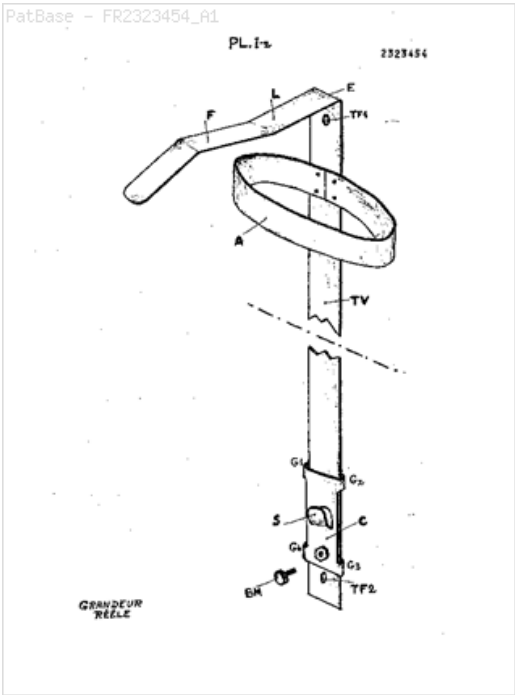
Designated states:

AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Title: DOOR MOUNTED AEROSOL SPRAY ACTUATOR - HAS STRIP AND BELT CAN MOUNTING WITH STEEL STRIP TONGUE DEPRESSED ONTO BUTTON BY DOOR FRAME

Abstract: The mechanism automatically actuates an aerosol spray can. It is fixed to a door and door frame so as to eject a spray each time the door is opened or shut. The mechanism can have a belt of steel strip riveted to another such strip, so that the can can be fitted in place without having to touch it by hand. A shaped steel strip tongue opens the valve when in contact with the door frame. A sliding piece with supporting heel can be included, to allow adjustment of the mounting to suit the can length.

Classifications:
International (IPC 8-9): B65D83/16 (Advanced/Invention); B65D83/16 (Core/Invention)
International (IPC 1-7): A61L3/00 B05B12/00
CPC: B65D83/267
European: B65D83/26D



Family:

Publication number	Publication date	Application number	Application date
FR2323454 A1	19770408	FR19770000664	19770107
FR2323454 B1	19820129	FR19770000664	19770107

Priority:
FR19770000664 19770107
Probable Assignee: BENEZECH ADRIEN EUGENE LOUIS
Assignee(s): (std): BENEZECH ADRIEN ; BENEZECH ADRIEN EUGENE LOUIS

Title: DEFENSIVE SPRAY CONTAINER HOLSTER

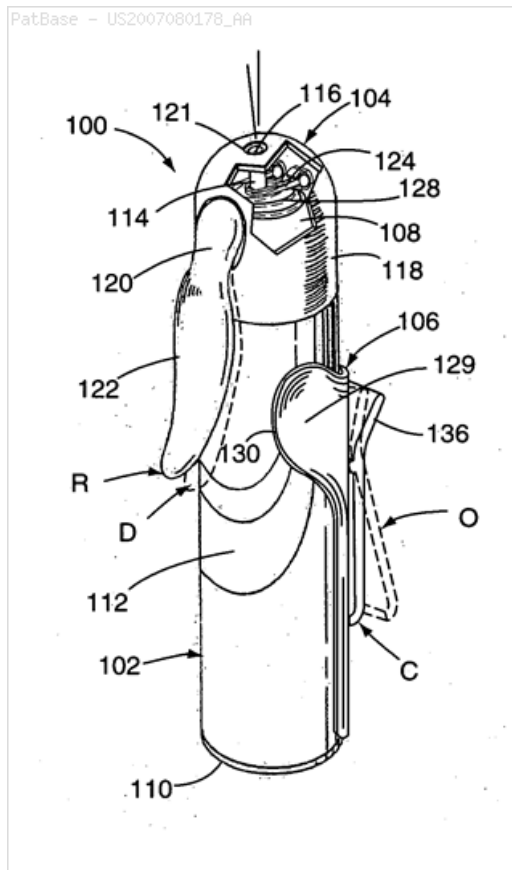
Abstract: The invention is a defensive retainer bottle combination. The bottle contains a defensive spray that immediately immobilizes a person when sprayed upon at the upper extremities of the person. The retainer is made of molded plastic and has upper and lower plates with upturned lips to retain a bottle placed there between. The retainer further has upper and lower springy retainer clips that assure a sure retention of the bottle within the retainer until an emergency requires the use of the bottle whereby a hard pull on the bottle by a hand will dislodge the bottle and make it ready for use. Once the bottle is filled with a defensive fluid. The bottle is inserted into the retainer with a top screw cap first and is then securely caught between the retention clips. The top of the screw cap has an aperture or hole therein into which a nipple penetrates to leak-proof retain the liquid in the bottle. The nipple is part of a rubber plug that is screwed into the top of the retainer.

Classifications:
International (IPC 8-9): A45F5/02 B65D23/00 B65D45/02 F41H9/10 G08B15/02 (Advanced/Invention); A45F5/00 B65D23/00 B65D45/00 F41H9/00 G08B15/00 (Core/Invention)
International (IPC 1-7): A45F5/00 B65D25/10
CPC: A45F5/02 A45F5/021 A45F2200/0566 A45F2200/0583 B65D23/003 B65D45/02 F41H9/10 G08B15/02
European: A45F5/02 A45F5/02B B65D23/00D B65D45/02 F41H9/10 G08B15/02 K45F200/05L K45F200/05R K45F5/02B K45F5/02L K45F5/02V
US: 224/242 224/269 224/269S



Inventor(s): (std): MCDONALD KENNETH J ; VANDERLAAN ROBERT E ; VANDERLAAN E JOAN

PatBase PDF Export - Page: 10 04/05/2020

**Family:**

Publication number	Publication date	Application number	Application date
US2007080178 AA	20070412	US20060417819	20060504
US7757906 BB	20100720	US20060417819	20060504

Priority:

US20050678540P 20050506 US20060417819 20060504

Probable Assignee: BARRY MICHAEL J

Assignee(s): (std): BARRY MICHAEL J

Inventor(s): (std): BARRY MICHAEL J

Inventor(s): BARRY MICHAEL

Agent(s): DAVID O SIMMONS GALASSO AND ASSOCIATES LP; RAYMOND M; DAVID O; GALASSO AND ASSOCIATES LP