

Search history

Search TAC=(Infusion pump) and CPC=(A61M5/152) (Results 20)

1:

Search [SP]: 1. an infusion pump comprising: a housing a first reservoir disposed within the housing and a second reservoir disposed within the housing the first reservoir being part of a first agent delivery system, the second reservoir being part of a second agent delivery system, the first agent delivery system being discreet and fluidly isolated from the second agent delivery system. 2. the device of claim 1, wherein the first and second reservoir are configured to hold first and second agents therein. 3. the device of claim 2, wherein the first and second agents are different agents. 4. the device of claim 1, wherein the first agent delivery system delivers a first agent at a first rate and the second agent delivery system delivers a second agent at a second rate. 5. the device of claim 1, wherein a first agent is selectively administered via the first agent delivery system independently of whether a second agent is selectively administered via the second agent delivery system. 6. the device of claim 1, wherein the first and second reservoirs are of a type selected from the group including elastomeric balloon-type reservoirs, spring reservoirs, vacuum reservoirs, and any other mechanical reservoir. 7. the device of claim 1, wherein the housing includes a clasp, the clasp being sized and shaped to selectively couple the pump to clothing of a patient. 8. an infusion pump comprising: a housing means coupled to the housing for selectively holding and dispensing a first agent means coupled to the housing for selectively holding and dispensing a second agent and means for selectively coupling the housing to an article of clothing. 9. the device of claim 8, wherein the first agent holding and dispensing means is fluidly isolated from the second agent holding and dispensing means. 10. the device of claim 8, wherein the first agent holding and dispensing means delivers a first agent at a first rate and the second agent holding and dispensing means delivers a second agent at a second rate. 11. the device of claim 8, wherein the first and second agents are different agents. 12. the device of claim 8, wherein the housing is at least partially transparent to allow a user to view reservoirs of the first and second agent holding and dispensing means. 13. the device of claim 8, wherein the means for selectively coupling the housing to an article of clothing provides for the infusion pump to be worn by a patient such that the patient supports the weight of the pump. 14. a method of providing a plurality of agents to a patient including the steps of: providing a housing providing a first reservoir within the housing providing a second reservoir within the housing determining a desired egress flow rate for the first reservoir determining a desired egress flow rate for the second reservoir providing a first tubing set coupled to the first reservoir configured to provide the egress flow characteristics determined in the first reservoir egress determining step and providing a second tubing set coupled to the second reservoir configured to provide the egress flow characteristics determined in the second reservoir egress determining step. 15. the method of claim 14, wherein the first reservoir is fluidly isolated from the second reservoir. 16. the method of claim 14, wherein the providing steps cause the first reservoir to deliver a first agent at a first rate and cause the second reservoir to a second agent at a second rate. 17. the method of claim 16, wherein the first rate is different from the second rate. 18. the method of claim 16, wherein the first agent is different from the second agent. 19. the method of claim 14, further including the steps of instructing a user to connect the first and second tubing sets to respective first and second administration devices. (Results 27)

Search (FN=(1173986 OR 11675747 OR 784150 OR 44927015 OR 12611271 OR 24045612 OR 28488989 OR 2174718 OR 1026671)) (Results 9)

3:

Title: PRESSURE INFUSION DEVICE FOR MEDICAL USE

Abstract: Source: US3506005A ABSTRACT OF THE DISCLOSURE

A container for supplying fluid under pressure includes a resilient bladder which is flexible between a contracted position in which there is no fluid in the bladder and an expanded position in which the bladder is full of fluid. The bladder is pre-tensioned, i.e., held in tension in the contracted position, so that the fluid will be dispensed at a pressure above a preselected minimum until the bladder is empty. B

Classifications:

International (IPC 8-9): A61M5/00 A61M5/152 B65D83/00 F15B1/16 F16J12/00 (Advanced/Invention);

A61M5/00 A61M5/145 B65D83/00 F15B1/00

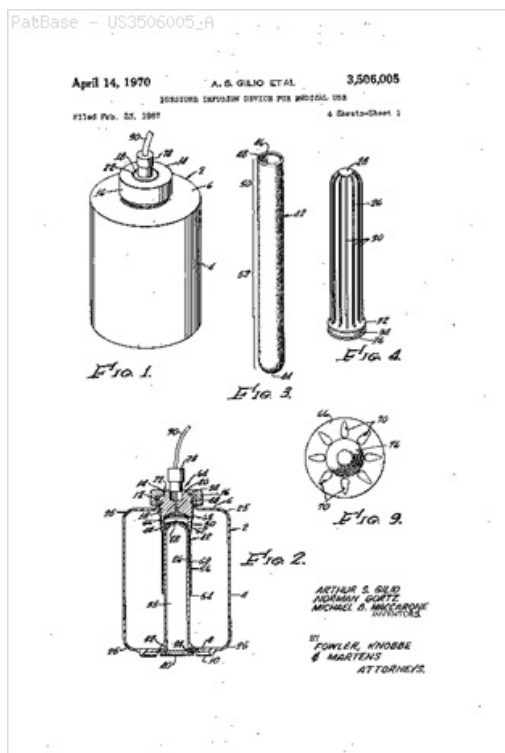
F16J12/00 (Core/Invention)

International (IPC 1-7): A61M1/02 A61M11/00 A61M3/00 A61M5/00 A61M5/14 B65D37/00 B65D83/00 B65D83/14 F16J11/06

CPC: Y10S128/12 F16J12/00 A61M5/00 A61M5/152 B65D83/0061

European: A61M5/00 A61M5/152 B65D83/00B1 F16J12/00

US: 128/214 128/DIG.12 222/215 604/132



Family:

Publication number	Publication date	Application number	Application date
BE737522 A	19700116		19690814
CH510565 A	19710731	CH19690012320	19690813
DE1918684 A1	19701015	DE19691918684	19690412
FR2041321 A5	19710129	FR19690012440	19690421
GB1268569 A	19720329	GB19690017430	19690403
NL6912760 A	19710223	NL19690012760	19690821
US3506005 A	19700414		19670223

Priority:

CH19690012320 19690813 GB19690017430 19690403 US19670618038 19670223

Probable Assignee: GILIO ARTHUR

Assignee(s): (std): ARTHUR S GILIO ; GILIO ARTHUR ; MICHAEL B MACCARONE ; GORTZ NORMAN ; GILIO ARTHUR SALVATORE ; MACCARONE MICHAEL BERNARD ; MACCARONE MICHAEL ; NORMAN GORTZ

Assignee(s): INFUSION SYSTEMS A CORP OF CA CORP ; MEDICAL DELIVERY SYSTEMS PARTNERS AND LT PARTNERSH ; MEDICAL DELIVERY SYSTEMS PARTNERS AND LT PARTNERSHIP OF CA LTD ; MACCARONE MICHAEL B ; MEDICAL DELIVERY SYSTEMS PARTNERS ; INFUSION SYSTEMS CORP ; MICHAEL BERNARD MACCARONE ; ARTHUR SALVATORE GILIO ; BAXTER INT ; BAXTER INT INC ONE BAXTER PARKWAY DEERFIELD ILLINO ; BAXTER INT INC ONE BAXTER PARKWAY DEERFIELD ILLINOIS 60015 A DE CORP

Inventor(s): (std): ARTHUR SALVATORE GILIO ; BERNARD MACCARONE MICHAEL ; GILIO ARTHUR S ; GILIO ARTHUR SALVATORE ; GORTZ NORMAN ; MACCARONE MICHAEL B ; MACCARONE MICHAEL BERNARD ; MICHAEL BERNARD MACCARONE ; NORMAN GORTZ ; SALVATORE GILIO ARTHUR

Inventor(s): ARTHUR S GILIO ; MICHAEL B MACCARONE

Title: PRESSURIZED DISPENSER

Abstract: Source: US3698595A A resilient bladder-type dispenser wherein the bladder, when empty, is prestressed over a mandril extending into the dispenser. The bladder is provided with a flexible, flat bottom wall which is self-aligning over a tapered mandril. An annular enlarged diameter portion is provided on the bladder near its upper edge for forming a fold to maintain the bladder in fluid tight relationship with a gland which can be mounted in the dispenser to lock the bladder in place. A dispensing valve is provided in the bladder so that when the valve is opened the bladder walls force fluids therefrom. A stop is provided so that when the dispenser cap which actuates the valve is oriented in a certain manner, the valve cannot be inadvertently activated.

Classifications:

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

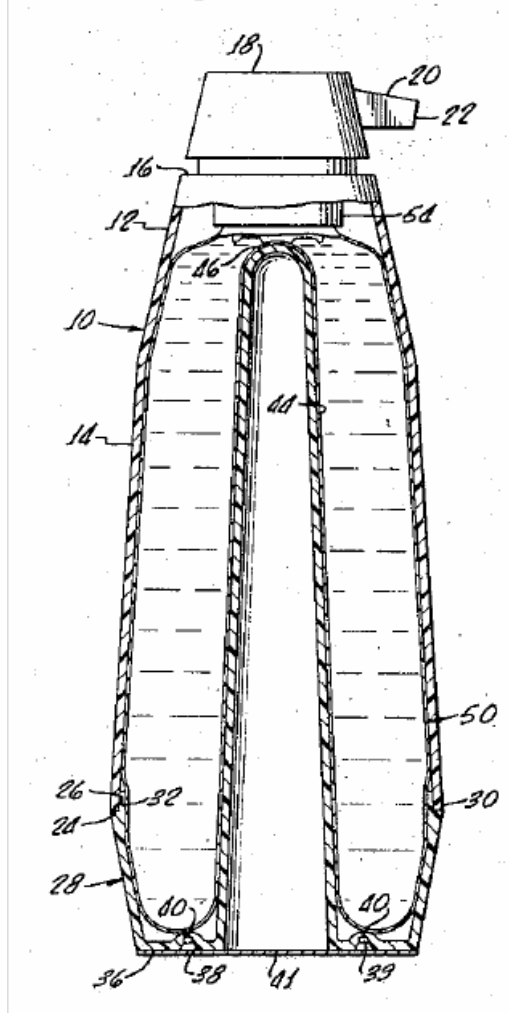
International (IPC 1-7): B65D25/14 B65D83/14

CPC: B65D83/0061

European: B65D83/00B1

US: 128/214 220/63R 220/723 220/85B 222/105 222/386.5 222/407
222/95 604/132

PatBase - US3698595_A



Family:

Publication number	Publication date	Application number	Application date
US3698595 A	19721017	US19690887189	19691222

Priority:

US19690887189 19691222

Probable Assignee: BAXTER INT

Assignee(s): (std): MICHAEL B MACCARONE ; NORMAN GORTZ

Assignee(s): BAXTER INT ; GORTZ NORMAN ; INFUSION SYSTEMS CORP ; MACCARRONE MICHAEL B ; MEDICAL DELIVERY SYSTEMS PARTNERS

Inventor(s): (std): GORTZ NORMAN ; MACCARONE MICHAEL B

Inventor(s): MICHAEL B MACCARONE ; NORMAN GORTZ

Title: BLADDER TYPE DISPENSER

Abstract: Source: US3767078A A dispenser wherein a resilient bladder is stretched over a curved surface presented by a supporting rib which extends into the dispenser. Both the bladder and the supporting rib are elongated and are anchored at one end in a dispensing valve assembly mounted in a wall of the dispenser. The bladder is open at its anchored end and communicates with a valved passage in the valve assembly so as to discharge its contents therethrough. At its opposite end, the bladder is closed and, to make sure that it will expel all of its contents, is attached to the supporting rib in such a manner as to put the body of the bladder into tension along its length.

Classifications:

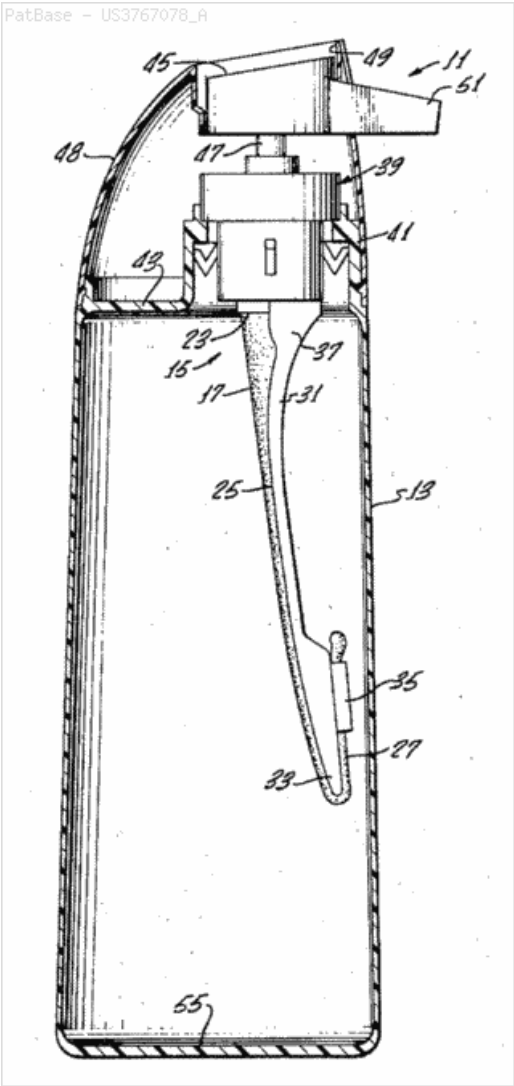
International (IPC 8-9): B65D83/00 B65D83/14 (Advanced/Invention); B65D83/00 B65D83/14 (Core/Invention)

International (IPC 1-7): B65D25/14 B65D35/28 B65D83/14

CPC: B65D83/0061 B65D83/14

European: B65D83/00B1 B65D83/14

US: 220/723 222/386.5 222/95 229/117.27



Family:

Publication number	Publication date	Application number	Application date
US3767078 A	19731023	US19700086506	19701103
US3907169 A	19750923	US19730395938	19730910

Priority:

US19700086506 19701103 US19730395938 19730910

Probable Assignee: BAXTER INT

Assignee(s): (std): GORTZ N ; GORTZ NORMAN ; MACCARONE M ; MACCARONE MICHAEL B

Assignee(s): MEDICAL DELIVERY SYSTEMS PARTNERS ; MACCARRONE MICHAEL B ; MACCARONE M US ; GORTZ NORMAN MACCARRONE MICHAEL B ; INFUSION SYSTEMS CORP ; GORTZ N US ; BAXTER INT

Inventor(s): (std): GORTZ N ; GORTZ NORMAN ; MACCARONE M ; MACCARONE MICHAEL B

Inventor(s): MACCARONE M US ; GORTZ N US

Title: Pressurized fluid dispenser

Abstract: Source: US4702397A A dispenser for fluids includes an elastic bladder having an open end and a closed end and includes a bladder mounting structure for maintaining the bladder in tension. The bladder mounting structure includes a fixed structural element having a convex curved surface. The mounting structure also includes mounting elements for fixing the two ends of the bladder relative the curved surface so that bladder is stretched over the curved surface. A flow controller communicates with the open end of the bladder to regulate the flow of fluid from the bladder. The flow controller includes a body having a fluid flow path through it. A shutoff element in the fluid flow path controls the cross-sectional flow area of the flow path. Movement of the shutoff element is controlled by a mechanism sealed from the fluid flow path.

Classifications:

International (ipc 8-9): A61M1/00 A61M5/14 A61M5/145 A61M5/152 A61M5/50 B05B11/04 B65D83/00 (Advanced/Invention); A61M1/00 A61M5/145 A61M5/50 B05B11/04 (Advanced/Non-invention); A61M1/00 A61M5/145 B05B11/04 B65D83/00 (Core/Invention); A61M5/50 (Core/Non-invention)

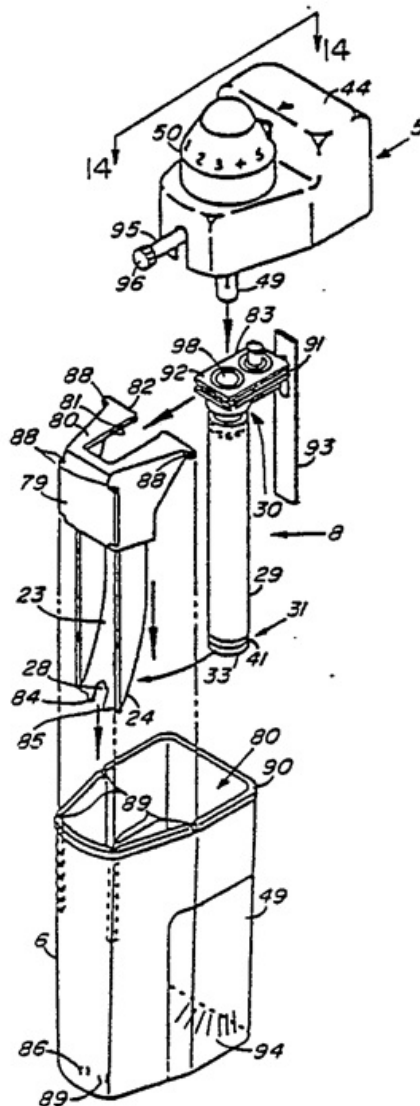
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CPC: A61M5/152 A61M5/50 B65D83/0061

European: A61M5/152 B65D83/00B1 K61M5/50

US: 222/211 222/212 222/213 222/214 222/386.5 222/464 222/464.1 222/547 604/250

PatBase - US4702397_A



Family:

Publication number	Publication date	Application number	Application date
AU198548652 A1	19860408	AU19850048652	19850918
EP0195804 A1	19861001	EP19850904760	19850918
EP0195804 A4	19880107	EP19850904760	19850918
IL76396 A0	19860131	IL19850076396	19850913
JP62500223 T2	19870129	JP19850504164	19850918
PT81142 A	19851001	PT19850081142	19850917
PT81142 B	19861210	PT19850081142	19850917
US4702397 A	19871027	US19840651835	19840918
WO8601746 A1	19860327	WO1985US01793	19850918
ZA8506782 A	19860430	ZA19850006782	19850904

Priority:

US19840651835 19840918 WO1985US01793 19850918

Probable Assignee: INFUSION SYSTEMS CORP

Assignee(s): (std): INFUSION SYSTEMS CORP

Assignee(s): BAXTER INT

Inventor(s): (std): GORTZ NORMAN ; NORMAN GORTZ

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD

Designated states: AT AU BE BR CH DE DK FI FR GB IT JP KR LI LU NL NO SE US

Title: Fluid dispensing apparatus with prestressed bladder

Abstract: Source: US4953753A An apparatus for dispensing for fluids. The apparatus generates its own positive pressure from a prestressed elastomeric material. The dispenser includes a resilient bladder of generally tubular shape having an open end into which an internal prestressing mandrel is inserted to prestress the bladder in both the radial and axial directions. The mandrel has at least three fins joined along longitudinal edges to form a plurality of passages, the bladder being joined or otherwise secured to the mandrel at both ends, and the passages being in communication with a valve means. A simplified valve means for filling and dispensing is also included.

Classifications:

International (IPC 8-9): B65D47/34 B65D83/00 (Advanced/Invention)

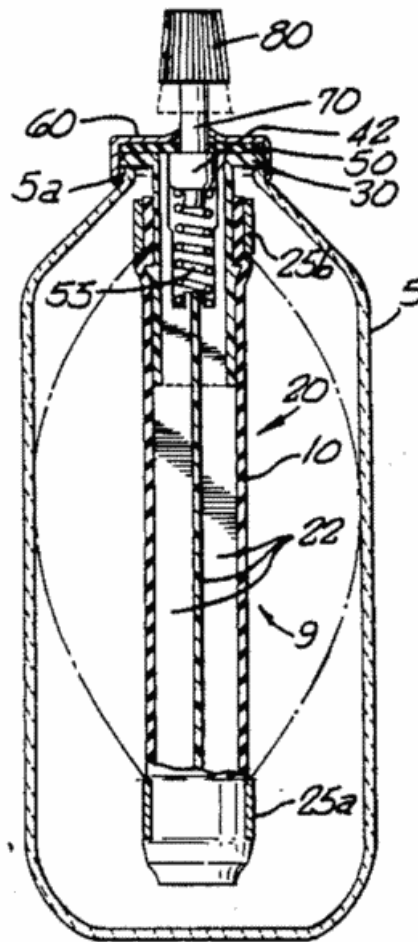
International (IPC 1-7): B65D35/56 B65D37/00

CPC: B65D83/0061 B65D2231/004

European: B65D83/00B1 L65D231/00A2

US: 222/105 222/212 222/386.5

PatBase - US4953753_A



Family:

Publication number	Publication date	Application number	Application date
US4953753 A	19900904	US19880205158	19880610
USRE35187 E	19960326	US19920940625	19920904

Priority:

US19880205158 19880610 US19920940625 19920904

Probable Assignee: ORATEC INTERVENTIONS INC

Assignee(s): (std): NORMAN COMPANY

Assignee(s): GENESIS MEDICAL SYSTEMS INC ; GORTZ NORMAN ; MEDICAL PRODUCT SPECIALISTS INC ; METRIX CO ; NORMAN CO ; NORMAN CO A CA CORP ; ORATEC INTERVENTIONS INC ; SECURE MEDICAL PRODUCTS INC ; THE NORMAN COMPANY

Inventor(s): (std): GORTZ NORMAN

Title: Fluid delivery system

Abstract: Source: US5346476A Disclosed is a fluid delivery system comprising a bladder to hold a fluid, the bladder being enclosed in a structure formed from a cap connected to a drive mechanism. The drive mechanism includes a piston driven by a constant force spring, the piston resting against the bladder. Activation of the drive mechanism delivers the fluid at a rate pre-determined by the design of the spring.

Classifications:

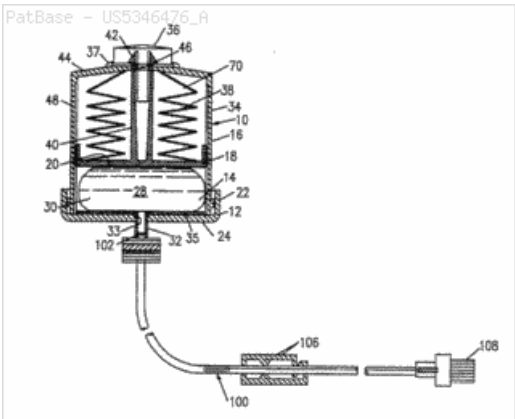
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A61M5/145 (Core/Invention)

International (IPC 1-7): A61M5/00 A61M5/20

CPC: A61M5/148

European: A61M5/148

US: 604/135 604/246



Family:

Publication number	Publication date	Application number	Application date
US5346476 A	19940913	US19920875756	19920429

Priority:

US19920875756 19920429

Probable Assignee: ELSON EDWARD E
Assignee(s): (std): ELSON EDWARD E
Assignee(s): DAVSTAR CALIFORNIA INC ; DAVSTAR INC
Inventor(s): (std): ELSON EDWARD E

Title: Infusion pump

Abstract: Source: US5529214A An infusion pump has an outer housing within which is disposed a support mandrel with a bladder secured thereon. The mandrel has a substantially uniform circular cross-section with a central channel extending from an input end to an outlet end that has an enlarged mandrel flange or collar. An infusion tube is inserted through the inlet end, through the central channel and out through the outlet end of the mandrel. A seating tube bonded at a distal end of the infusion tube becomes seated in a tapered seating portion in the central channel. Thereafter the elastomeric bladder is secured on the mandrel. After both the infusion tube and the bladder have been secured to the mandrel, the inlet end of the mandrel is inserted through a bottom opening in the housing until the collar of the mandrel becomes seated in a circular collar projecting from a lower wall of the housing. A check valve is connected to the mandrel by a luer lock fitting through a top opening at the inlet end of the mandrel thereby securing the mandrel in the housing and closing the top and bottom openings. The end of the infusion tube that is extended out through the outlet end of the mandrel channel has a manually actuated tube clamp to regulate the flow of liquid from the bladder through the infusion tube and is connected to an air and particle eliminating filter. Another tube extending from the filter is connected to a flow control regulating device.

Classifications:

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

B65D83/00 (Core/Invention)

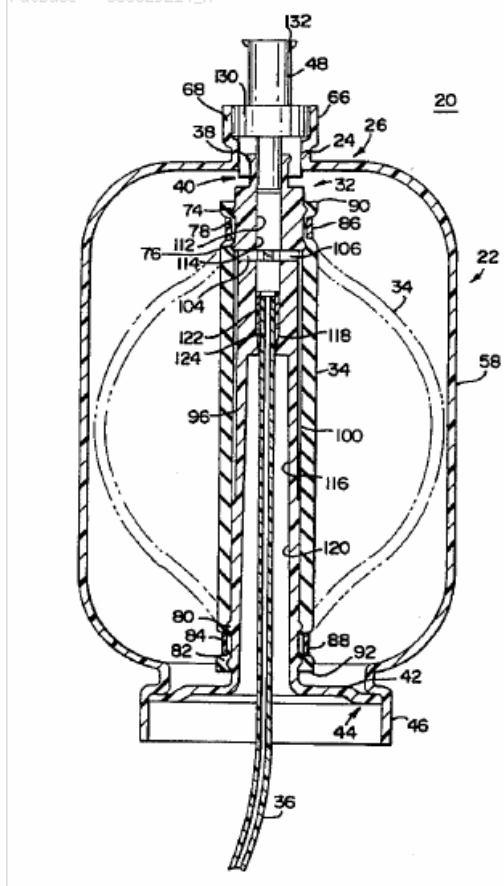
International (IPC 1-7): B65D35/56

CPC: B65D83/0061

European: B65D83/00B1

US: 222/105 222/189.06 222/212 222/386.5 604/132 604/133

PatBase - US5529214_A



Family:

Publication number	Publication date	Application number	Application date
US5529214 A	19960625	US19940289748	19940812

Priority:

US19940289748 19940812

Probable Assignee: ORATEC INTERVENTIONS INC

Assignee(s): (std): SECURE MEDICAL PRODUCTS INC

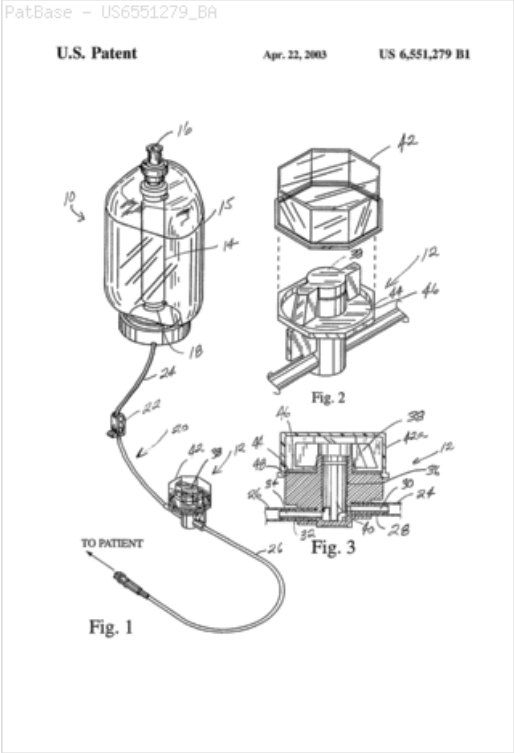
Assignee(s): MEDICAL PRODUCT SPECIALISTS INC ; METRIX CO ; ORATEC INTERVENTIONS INC

Inventor(s): (std): KNAUF JOY D ; LASONDE GREGORY J

Title: Infusion dispenser with adjustable flow rate regulator

Abstract: Source: US6551279B A liquid medicament dispenser for controlled infusion delivery of liquid medication to a patient. The dispenser includes an elastomeric bladder for housing the liquid medication, an inlet in communication with the bladder for receiving the liquid medication into the bladder, and an outlet in communication with the bladder for discharging the liquid medication into an infusion tube for delivering the liquid medication to the patient. A flow regulator for controlling flow rate of the liquid medication through the infusion tube includes a flow rate adjuster with a manually operable adjuster knob for setting flow rate and an encasement housing releasably securable about the adjuster knob for impeding access to the adjuster once the proper rate has been set. By so protecting the flow rate adjuster knob with the encasement housing, accidental or deliberate re-adjustment of flow rate, as may be caused by the patient, is minimized while advantageously providing medicinal treatment utility among most patients because of integral adjustability of flow rate control.

Classifications:
International (IPC 8-9): A61M5/145 A61M5/168 (Advanced/Invention); A61M5/145 A61M5/168 (Core/Invention)
International (IPC 1-7): A61M37/00
CPC: A61M5/14586 A61M5/16881
European: A61M5/145D A61M5/168F1
US: 604/132



Family:

Publication number	Publication date	Application number	Application date
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Priority:
US20000578988 20000525

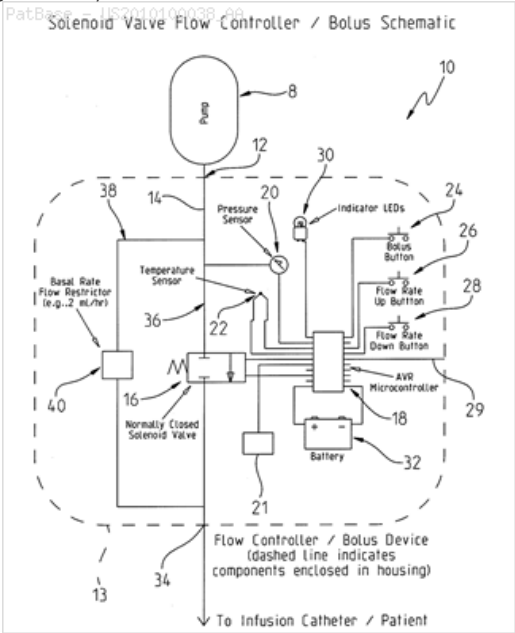
Probable Assignee: ORATEC INTERVENTIONS INC
Assignee(s): (std): ORATEC INTERVENTIONS INC
Assignee(s): MEDICAL PRODUCTS SPECIALISTS INC
Inventor(s): (std): HYUN DONGCHUL D

Title: ELECTRONIC FLOW CONTROL

Abstract: Source: US2010100038A An electronic controller is provided for controlling the evacuation of fluid from one or more fluid reservoirs. The controller includes a plurality of sensors that sense environmental factors and the controller adjusts the evacuation of fluid from the bladder(s) using information gathered by the sensors.

Classifications:

International (ipc 8-9): A61M5/142 A61M5/145 A61M5/168 A61M5/172 G05D11/13 G05D7/06 (Advanced/Invention); A61M5/142 A61M5/168 G05D11/00 G05D7/06 (Core/Invention)
CPC: A61M5/172 A61M2005/1406 A61M5/14244 A61M5/1454 A61M5/152 A61M5/16813 A61M2202/0241 A61M2205/3331 A61M2205/3368
European: A61M5/142P A61M5/152 A61M5/168A5 K61M202/02D K61M205/33P K61M205/33T K61M5/145B4
US: 604/151 604/151S 604/82 604/82P 700/282 700/282S



Family:

Publication number	Publication date	Application number	Application date
CA2740875 AA	20100422	CA20092740875	20091015
EP2334354 A1	20110622	EP20090821234	20091015
EP2334354 A4	20140122	EP20090821234	20091015
US2010100038 AA	20100422	US20090579651	20091015
WO10045422 A1	20100422	WO2009US60775	20091015

Priority:

US20080105452P 20081015 US20080107780P 20081023 US20090579651 20091015
WO2009US60775 20091015

Probable Assignee: SYMBIOS MEDICAL PRODUCTS LLC

Assignee(s): (std): ROPER GEOFF ; SYMBIOS MEDICAL PRODUCTS LLC ; WALKER GREGORY L

Inventor(s): (std): ROPER GEOFF ; WALKER GREGORY L

Agent(s): MACRAE AND CO; HALL GRAEME KEITH; BAKER AND DANIELS LLP; BARKER RYAN 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 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 TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW