

Search history

Search 1: CPC=(B65D 5/44,B65D 5/465, B65D5/475 or B65D5/48 or B65D5/49 or B65D5/50) (Results 1133)
Search 2: FT=(Container or vessel) (Results 1000000)
Search 3: FT=((cap or overcap) and divided) (Results 178512)
Search 4: 1 and 2 and 3 (Results 8)
Search 5: FT=(sheet 1w semicircle) (Results 36)
Search 6: 1 and 5 (Results 0)
Search 7: 2 and 5 (Results 0)
Search 8: 3 and 5 (Results 0)
Search 9: FT=(divided w lid) (Results 0)
Search 10: FT=(dual compartment) (Results 2050)
Search 11: lid and 10 (Results 284)
Search 12: semicircle and 11 (Results 4)
Search 13: 2 and 11 (Results 241)
Search 14: PET and 13 (Results 40)
Search 15: FT=(double compartment lid) (Results 2)
Search 16: PET and (cap or lid) (Results 52622)
Search 17: 10 and 16 (Results 76)

Title: INTRAVENOUS DRUG ADDITIVE DELIVERY SYSTEM WITH ELECTRONIC CONTROL

Abstract: An improved fluid additive system is disclosed. The first embodiment of the invention is formed by a system (10) including a controller (26) which automatically delivers a preselected quantity of a secondary fluid from a secondary container (14) at a preselected rate and subsequently delivers a preselected quantity of a primary fluid from a primary container (12) at a preselected rate. Within the controller (26) are input controls (48) for operator input of the desired preselected rates and quantity of fluid to be infused. A passive metering unit (36, 36') is provided in the controller for metering a known quantity of fluid to a delivery line upon each activation thereof. A microprocessor (40) responds to the rates and quantity input into the input controls (48) to direct a drive unit (38) to activate the metering unit (36) to achieve the desired rates and quantity of infusion of the primary and secondary fluids.

Classifications:

International (IPC 8-9): A61M5/00 A61M5/168

A61M5/172 (Advanced/Invention);

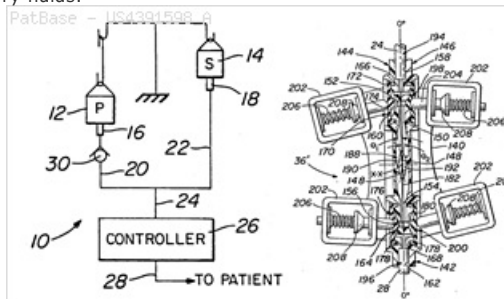
A61M5/00 A61M5/168 (Core/Invention)

International (IPC 1-7): A61M5/00 A61M5/14 G01F13/00

CPC: Y10S128/13 A61M5/172 A61M5/16809 A61M5/16827

European: A61M5/168A3 A61M5/172 K61M5/168A11

US: 128/DIG.13 604/65 604/81

**Family:**

Publication number	Publication date	Application number	Application date
DE3215330 A1	19821125	DE19823215330	19820424
FR2504393 A1	19821029	FR19820007136	19820426
FR2504393 B1	19861205	FR19820007136	19820426
JP57183859 A2	19821112	JP19820070585	19820428
US4391598 A	19830705	US19810258361	19810428

Priority:

US19810258361 19810428

Probable Assignee: MCGAW INC MORaine MONTGOMERY COUNTY A CORP OF OH

Assignee(s): (std): QUEST MEDICAL INC ; KUUESUTO MEDICAL INC

Assignee(s): MCGAW INC ; WELLS FARGO BANK NA ; MCGAW INC A CORP OF DELAWARE ; MCGAW INC MORaine MONTGOMERY COUNTY A CORP OF OH ; GENERAL ELECTRIC CAPITAL A NEW YORK CORP CORP ; GENERAL ELECTRIC CAPITAL CORP ; KENDALL MCGAW LABORATORIES INC ; KENDALL MCGAW LABORATORIES INC A CORP OF OH ; KENDALL MCGAW LABORATORIES INC AN OH CORP

Inventor(s): (std): THOMPSON THOMAS CLINE ; THOMPSON THOMAS C ; TAMASU KURAIN TAMUSUN ; BUSINESSMAN THOMAS

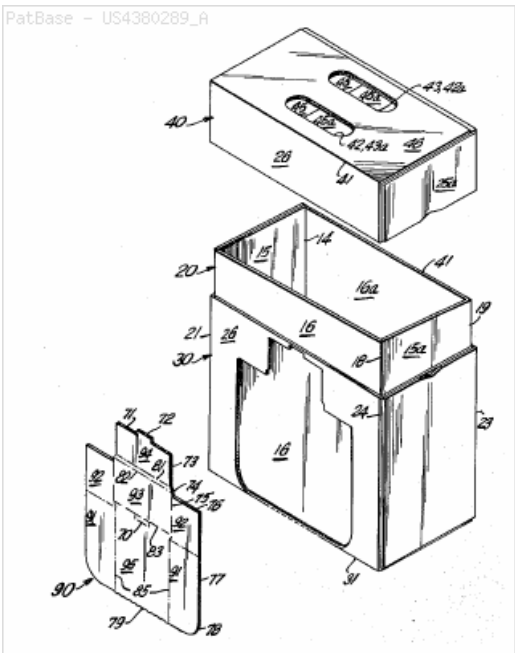
Inventor(s): BUSINESSMAN THOMAS CLINE THOMPSON ; THOMAS CLINE THOMPSON

Title: PAPERBOARD DISPENSER PACKAGE WITH REMOVABLE SCOOP PANEL

Abstract: A rectangular-shaped paperboard dispenser package is provided with inner and outer compartments, each compartment being erected from separate blanks. The outer surface of the inner compartment is in abutting relationship with the inner surface of the outer compartment on the erected package. One side panel of the outer compartment includes a removable scoop panel that can be erected to form a scoop for dispensing the contents of the package. Due to the **dual compartment** construction, the dispenser package retains its structural integrity after removal of the scoop panel from the outer compartment.

Classifications:

International (IPC 8-9): B65D5/32 B65D5/42 B65D5/72
B65D77/24 (Advanced/Invention);
B65D5/00 B65D5/42 B65D5/72 B65D77/24 (Core/Invention)
International (IPC 1-7): B65D77/00
CPC: Y10S229/925 B65D77/245 B65D5/32 B65D5/42 B65D5/72
European: B65D5/32 B65D5/42 B65D5/72 B65D77/24B
US: 206/216 206/229 220/410 229/211 229/235 229/240 229/7R
229/925 294/180 294/55



Family:

Publication number	Publication date	Application number	Application date
US4380289 A	19830419	US19810322773	19811119

Priority:

US19810322773 19811119

Probable Assignee: STONE CONTAINER CORP

Assignee(s): (std): CHAMPION INT CORP

Assignee(s): STONE CONTAINER A CORP OF ILL CORP ; STONE CONTAINER CORP ; WALDORF A CORP OF CORP ; WALDORF CORP ; CHAMPION INT ; CHAMPION INT A CORP OF NY CORP

Inventor(s): (std): BIGELOW STANLEY K

Title: Syringe

Abstract: A syringe provides for the isolated storage of two components of a medicament until immediately prior to use of the syringe. One liquid component is stored in a collapsible chamber of a sealed capsule within a hollow plunger stem of the syringe, and the other component beneath the head of the plunger. A double headed needle arrangement between the head and stem of the plunger is caused to penetrate the plunger head and the capsule when the syringe is to be used so that the plunger may be drawn back to exhaust the contents of the capsule chamber into admixture with the component stored beneath the head of the plunger. Communication through the double headed needle arrangement is then interrupted before the plunger is used to eject the syringe contents through an external needle fitted to the syringe.

Classifications:

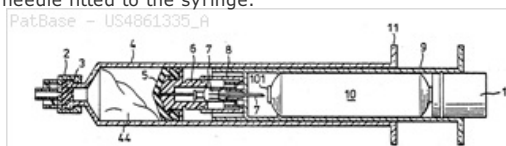
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European: A61J1/00M6 A61J1/06B A61J1/20B A61J1/20F A61M5/24M A61M5/28 A61M5/28M A61M5/315 A61M5/315M B01F1/00F B01F13/00K2B4 B01F15/02B20F B01F15/02B6N K61J1/10 K61J1/14P K61J1/20A2A K61J1/20A2B K61J1/20A4G K61J1/20A8B K61M5/145B K61M5/145B10 K61M5/14F K61M5/24E1 K61M5/315B1C K61M5/315M1B K61M5/31C4C

US: 206/222 604/187 604/191 604/200 604/201 604/203 604/232 604/413 604/415 604/416 604/88 604/89



Family:

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AT151648 E	19970515	AT19920923112T	19921113
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EP0764034 B1	19980729	EP19940915494	19940516
ES2047546 T3	19940301	ES19880304091T	19880506
ES2103977 T3	19971001	ES19920923112T	19921113
ES2122276 T3	19981216	ES19940915494T	19940516
FI110308 B	20021231	FI19930002219	19930514
FI112327 B	20031128	FI19950005577	19951117
FI932219 A	19930514	FI19930002219	19930514
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FI955577 A	19960116	FI19950005577	19951117
FI955577 A0	19951117	FI19950005577	19951117
GB2210268 A1	19890607	GB19870022636	19870925
GB2249727 A1	19920520	GB19900024710	19901114
GB8722636 A0	19871104	GB19870022636	19870925
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GB9310084 A0	19930630	GB19930010084	19930517
IE63513 B	19950503	IE19880001656	19880602
IE881656 L	19890108	IE19880001656	19880602

JP1131671 A2	19890524	JP19880161102	19880630
JP2801207 B2	19980921	JP19880161102	19880630
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JP3566291 B2	20040915	JP19940524771	19940516
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JP9500545 T2	19970121	JP19940524771T	19940516
NO306381 B1	19991101	NO19930001611	19930504
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NO954577 A	19951208	NO19950004577	19951113
NO954577 A0	19951113	NO19950004577	19951113
US4861335 A	19890829	US19870018934	19870225
US4886495 A	19891212	US19870072015	19870708
US5137511 A	19920811	US19890437203	19891116
US5364369 A	19941115	US19910791399	19911114
US5554125 A	19960910	US19940245132	19940517
US5709666 A	19980120	US19940338843	19941114
WO9208507 A1	19920529	WO1991CA00409	19911113
WO9309825 A1	19930527	WO1992CA00495	19921113
WO9426332 A1	19941124	WO1994CA00271	19940516

Priority:

US19850759432 19850726	US19870018934 19870225	US19870072015 19870708
GB19870022636 19870925	CA19880560988 19880309	CA19880616307 19880309
EP19880304091 19880506	US19890437203 19891116	GB19900024710 19901114
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US19910791399 19911114	CA19920616307 19920203	WO1992CA00495 19921113
GB19930010084 19930517	WO1994CA00271 19940516	US19940245132 19940517
US19940338843 19941114		

Probable Assignee: DUOJECT MEDICAL SYSTEMS INC

Assignee(s): (std): DAVID L REYNOLDS ; DEYUOJIEKUTO MEDICAL SYST INC ; DUOJECT INC ; DUOJECT MEDICAL SYSTEMS INC ; REYNOLDS DAVID L ; DUOJET MEDICAL SYSTEMS INC

Assignee(s): DUOJECT MEDICAL SYSTEMS INC LA BROME QUEBEC CA ; DUOJECT MEDICAL SYSTEMS INC WEST MONTREAL QUEBEC CA ; REYNOLDS DAVID L LAC BROME QUEBEC CA

Inventor(s): (std): DAVID L REYNOLDS ; REYNOLDS DAVID L ; DEBITSUTO ERU REINORUZU

Inventor(s): REYNOLDS DAVID L LAC BROME QUEBEC CA

Agent(s): CULLENS PATENT AND TRADE MARK ATTORNEYS; CULLENS PTY LTD; SPRUSON AND FERGUSON; FINCHAM ERIC; BERESKIN AND PARR

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

Title: CONTAINER WITH MULTIPLE ORIFICES AND COMBINATION CLOSURE

Abstract: The present invention relates to a container that dispenses a flowable product at variable rates. The majority of prior art devices provide multiple containers with different sized dispensing orifices. The present invention overcomes this deficiency by providing a single container with multiple orifices of different sizes. The container has multiple dispensing orifices (6, 106, 206) and a combination closure comprising a body (11, 111, 211) which extends in one or more dispensing necks (2, 202) with open ends, said combination closure comprising one common cap (3, 103, 203) said cap showing differently sized orifices coinciding with said dispensing necks or with intermediate channels (218) each of said orifices being reclosable by a hinged closure (4, 104, 204) which is integral with said common cap.

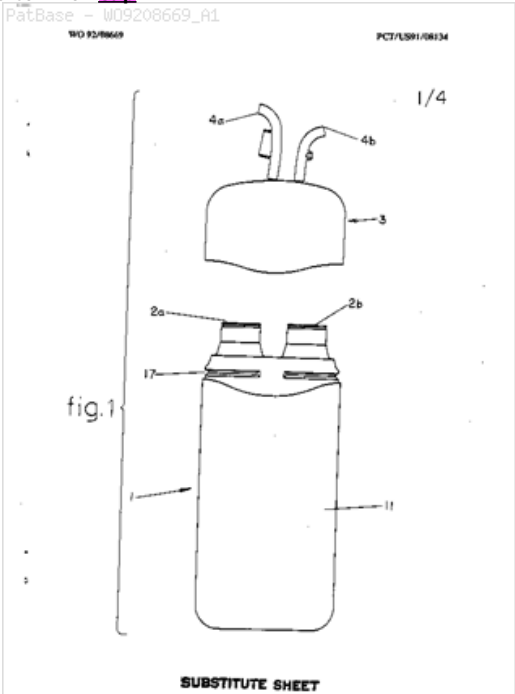
Classifications:

International (IPC 8-9): B65D47/08 (Advanced/Invention);
B65D47/08 (Core/Invention)

International (IPC 1-7): B65D1/02 B65D1/04 B65D47/08 B67D3/00

CPC: B65D47/0847

European: B65D47/08B4F



Family:

Publication number	Publication date	Application number	Application date
AU199190786 A1	19920611	AU19910090786	19911106
EP0485666 A1	19920520	EP19900203018	19901114
MX9102020 A1	19920708	MX19910002020	19911112
WO9208669 A1	19920529	WO1991US08134	19911106

Priority:

EP19900203018 19901114 WO1991US08134 19911106

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): PROCTER AND GAMBLE

Assignee(s): PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY

Inventor(s): (std): DEFLANDER JOSEPH FERNAND ; HERTOGS WILLY ALOYSIUS MARIA

Inventor(s): JOSEPH FERNAND DEFLANDER ; WILLY ALOYSIUS MARIA HERTOGS

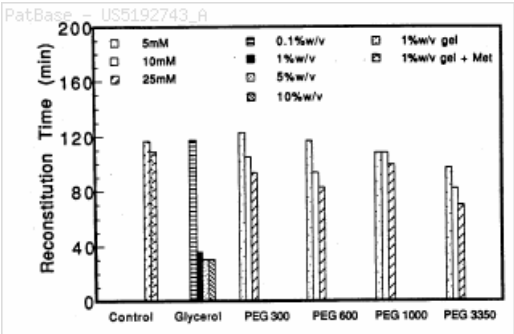
Designated states: AT AU BE BR CA CH DE DK ES FR GB GR IT JP KR LI LU NL SE

Title: RECONSTITUTABLE LYOPHILIZED PROTEIN FORMULATION

Abstract: A formulation for proteins is provided that comprises a lyophilized mixture of a protein, a water-soluble etherified cellulose in an amount that upon reconstitution of the formulation will be sufficient to form a gel, and an excipient to facilitate rehydration of the gel and to maintain protein integrity during storage of the lyophilized gel product. When reconstituted to a gel, this formulation can be applied, for example, to tissue in need of treatment.

Classifications:

International (ipc 8-9): A61K38/18 A61K38/22 A61K38/36 A61K47/38 A61K9/19 (Advanced/Invention); A61K38/18 A61K38/22 A61K38/36 A61K47/38 A61K9/19 (Core/Invention)
International (ipc 1-7): A61K37/02
CPC: Y10S514/944 A61K38/36 A61K9/0014 A61K9/19 A61K38/2221 A61K47/38
European: A61K38/18 A61K38/22C A61K38/36 A61K47/38 A61K9/00M3 A61K9/19
US: 514/12 514/18.6 514/2 514/20.9 514/21 514/8 514/9.8 514/944 530/427 604/416



Family:

Publication number	Publication date	Application number	Application date
US5192743 A	19930309	US19920821206	19920116

Priority:

US19920821206 19920116

Probable Assignee: GENENTECH INC
Assignee(s): (std): GENENTECH INC
Assignee(s): GENENTECH INC A CORP OF DELAWARE
Inventor(s): (std): HSU CHUNG C ; NGUYEN HOC M ; WU SYLVIA S

Title: METHOD OF USE OF MONOMERIC INSULIN AS A MEANS FOR IMPROVING THE REPRODUCIBILITY OF INHALED INSULIN

Abstract: The need for the delivery of insulin by injection can be reduced or eliminated by delivering an aerosolized monomeric insulin formulation. Repeatability of dosing and more particularly the repeatability of the blood concentration versus time profile is improved relative to regular insulin. The blood concentration versus time profile is substantially unaffected by specific aspects of the patient's breathing maneuver at delivery. Further, the rate at which blood glucose is lowered is increased by the use of monomeric insulin. Particles of insulin and in particular monomeric insulin delivered to the surface of lung tissue will be absorbed into the circulatory system. The monomeric insulin may be a dry powder but is preferably in a liquid formulation delivered to the patient from a hand-held, self-contained device which automatically releases an aerosolized burst of formulation. The device includes a sensor which is preferably electronic which measures inspiratory flow and volume which measurement can be used to control the point of drug release.

Classifications:

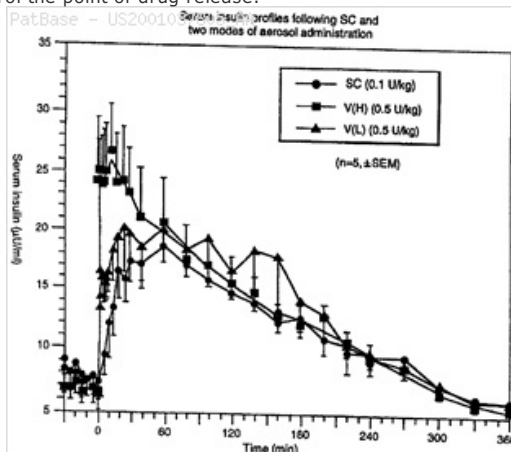
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International (IPC 1-7): A01N25/02 A61B19/00 A61J1/10 A61J7/00 A61J7/02 A61K37/00 A61K37/02 A61K37/18 A61K37/26 A61K38/00 A61K38/02 A61K38/26 A61K38/28 A61K39/12 A61K9/00 A61K9/00 A61K9/12 A61K9/14 A61K9/72 A61L9/04 A61M11/00 A61M11/02 A61M15/00 A61M15/06 A61M16/00 A61M16/10 A61P3/10 A61P43/00 A62B7/00 B65D75/36 B65D83/62 B65D83/66 C07K15/00 C07K17/00 C07K5/00 C07K7/00 C12Q1/00 F16K31/02

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US: 128/200.14 128/200.140P 128/200.140S 128/200.21 128/200.210 128/200.22 128/200.23 128/200.230 128/200.24 128/203.12 128/203.120 128/203.15 128/203.150S 128/203.21 128/203.210S 128/204.23 128/898 424/43 424/45 424/46 424/489 514/2 514/3 514/4 514/5.9 514/6.3 514/6.4 514/6.9 514/866 530/303



Family:

Publication number	Publication date	Application number	Application date
AR007491 AA	19991110	AR1998P101907	19980424
AT308356 E	20051115	AT19980919861T	19980423
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Priority:

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Probable Assignee: ARADIGM CORP

Assignee(s): (std): ARADIGM CORP ; FARR STEPHEN J ; GONDA IGOR ; RUBSAMEN REID M ; MIRIS MEDICAL CORP ; NOVO NORDISK NOVO ALLE AS ; NOVO NORDISK ; NOVO NORDISK AS

Assignee(s): NOVO NORDISK A AND S NOVO ALLE ; NOVO NORDISK A S NOVO ALLE ; ARADIGM ; LLOYD PETER M ; SCHUSTER JEFFREY A ; NOVO NORDISK A S ; LLOYD LESTER J ; ARADIGM CORP HAYWARD

Inventor(s): (std): DIMARCHI RICHARD D ; FARR STEPHEN J ; GONDA IGOR ; IGOR GONDA ; JEFFREY A SCHUSTER ; LESTER J LLOYD ; LLOYD LESTER J ; LLOYD LESTER JOHN ; LLOYD PETER M ; PETER M LLOYD ; REID M

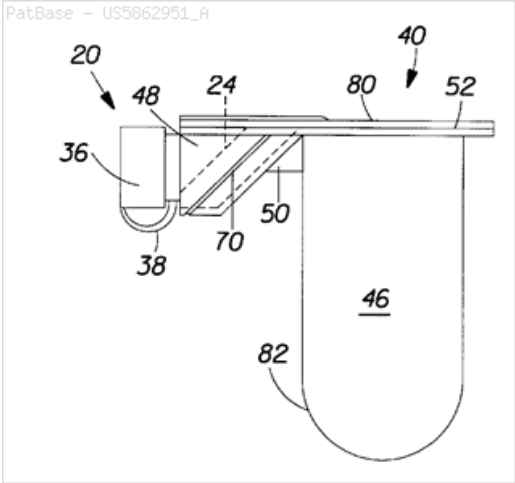
Inventor(s): RUBSAMEN ; RUBSAMEN REID M ; SCHUSTER JEFFREY A ; STEPHEN J FARR ; SCHUSTER A ; RUBSAMEN M ; LLOYD M ; LLOYD J ; FARR J ; RUBASAMEN REID M ; GONDA IGNOR
Agent(s): FARR STEPHEN ; RUBSAMEN REID
Designated states: FB RICE; FB RICE PTY LTD; SMART AND BIGGAR; PRICE NIGEL JOHN KING; NOVO NORDISK INC PATENT DEPARTMENT; BOZICEVIC FIELD AND FRANCIS LLP; NOVO NORDISK INC INTELLECTUAL PROPERTY DEPARTMENT; KARL; MARC A; BOZICEVIC KARL; BOZICEVIC FIELD AND FRANCIS
AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HU ID IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG UZ VN YU ZW

Title: Replacement fluid cartridge for a positive displacement pump and method of making the cartridge

Abstract: A replacement fluid cartridge for a dispenser has three parts: an injection molded nozzle, a thermoformed reservoir portion, and a cover sheet. The nozzle has a substantially flat top portion, an outer portion adjacent to the flat top portion, an outermost end, and a plurality of orifices extending through the nozzle. The second part is a piece of flexible film having a plurality of depressions surrounded by a flange. The flange is continuous and in a plane except at a nozzle-fitting portion. The nozzle-fitting portion is shaped to wrap around the outer portion of the nozzle where it is bonded to the nozzle in a fluid-tight manner. The flat top portion of the nozzle resides substantially within the plane of the flange. Each of the plurality of depressions has an inside, a continuous sidewall, and a closed bottom. The third part is a substantially flat cover sheet bonded to the flange and to the flat top portion of the nozzle such that the plurality of depressions are sealed closed by the cover sheet. Each of the plurality of orifices in the nozzle provide exclusive fluid communication from the outermost end of the nozzle to one inside of each of the plurality of depressions.

Classifications:

International (IPC 8-9): B65B3/02 B65D81/32 B65D83/00 (Advanced/Invention); B65D83/00 (Advanced/Non-invention); B65B3/00 B65D81/32 B65D83/00 (Core/Invention); B65D83/00 (Core/Non-invention)
International (IPC 1-7): B65D81/32 B65D83/00 B67D5/60
CPC: B65B3/02 B65D81/325 B65D2583/005
European: B65B3/02 B65D81/32F L65D583/00R
US: 222/145.1



Family:

Publication number	Publication date	Application number	Application date
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US5862951 A	19990126	US19970790130	19970129
WO9832676 A2	19980730	WO1998US01233	19980123
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Priority:

US19970790130 19970129 WO1998US01233 19980123

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): PROCTER AND GAMBLE

Assignee(s): PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY

Inventor(s): (std): BARKER DALE EDWIN ; GRUENBACHER DANA PAUL ; MCKIBBEN GARY EUGENE ; MCKIBBEN GARY E ; GRUENBACHER DANA P ; BARKER DALE E

Designated states: AT BE BR CA CH CN CZ DE DK ES FI FR GB GR HU IE IT JP LU MC MX NL PT SE TR

Title: Bleach compositions

Abstract: Laundry or cleaning composition comprising: (a) a catalytically effective amount, preferably from about 1 ppb to about 99.9 percent, of a transition-metal bleach catalyst which is a complex of a transition-metal and a cross-bridged macropolycyclic ligand; and (b) at least about 0.1 percent of one or more laundry or cleaning adjunct materials, preferably comprising an oxygen bleaching agent. Preferred compositions are laundry compositions and automatic dishwashing detergents which provide enhanced cleaning/bleaching benefits through the use of such catalysts.

Classifications:

International (IPC 8-9): C11D3/00 C11D3/16 C11D3/20 C11D3/39 C11D3/395 C11D3/60 C11D7/18 C11D7/32 C11D7/38 C11D7/54 (Advanced/Invention);

C11D3/395 (Advanced/Non-invention);

C11D3/20 C11D3/39 C11D3/395 (Core/Invention);

C11D D06L (Subclass/Invention)

International (IPC 1-7): C11D C11D15/00 C11D3/00 C11D3/28 C11D3/39 C11D3/395 C11D33/95 C11D7/18 C11D7/54 C11D9/42 D06L D06L1/00

CPC: C11D3/168 C11D3/3932 C11D3/3935 C11D3/3942 C11D3/3945

European: C11D3/16K C11D3/39B2F C11D3/39B2M C11D3/39D C11D3/39F

US: 252/186.38 252/186.39 502/200 510/220 510/235 510/235S 510/302 510/302S 510/305 510/307 510/308 510/309 510/310 510/311 510/311S 510/312 510/312S 510/314 510/314S 510/367 510/367S 510/372 510/376 510/376S 510/378 510/500 510/513 510/513S

Family:

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Priority:

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Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): BUSCH DARYLE H ; BUSCH DARYLE HADLEY ; COLLINSON SIMON ROBERT ; HUBIN TIMOTHY JAY ; JOHNSTON JAMES PYOTT ; COLLINSON SIMON R ; JOHNSTON JAMES P ; HUBIN TIMOTHY J ; KANSAS UNIV ; KANSAS STATE UNIV ; PROCTER AND GAMBLE ; PERKINS CHRISTOPHER MARK ; LABEQUE REGINE ; PROCTER AND GAMBLE COMPNAY ; KITKO DAVID JOHNATHAN ; BURCKETT ST LAURENT JAMES CHAR ; BURCKETT ST LAURENT JAMES CHARLES THEOPHILE ROGER ; PERKINS CHRISTOPHER M ; KITKO DAVID J ; PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; THE UNIVERSITY OF KANSAS ; UNIV KANSAS ; WILLIAMS BARBARA K ; UNIVERSITY OF KANSAS THE ; WILLIAMS BARBARA KAY

Assignee(s): THE PROCTER AND GAMBLE CO CINCINNATI OHIO ; THE PROCTER AND GAMBLE CO CINCINNATI ; THE PROCTER AND GAMBLE COMPANY CINCINNATI ; THE PROCTER AND GAMBLE CO ; PROCTOR AND GAMBLE CO ; THE PROCTOR AND GAMBLE COMPANY ; KITKO DAVID JONATHAN ; PROCTER AND GAMBEL COMPANY ; THE PROCTER AND GAMBLE COMPNAY ; PROCTER AND GAMBLE COMPANY ; BURCKETT STLAURENT JAMES CHARLES THEOPHILE ROGER ; BURNS MICHAEL EUGENE ; OF KANSAS UNIV ; PROCTER AND GAMBEL CO

Inventor(s): (std): JOHNSON JAMES PYOTT ; JOHNSTON JAMES PYOTT ; KITKO DAID JOHANATHAN ; KITKO DAVID JOHNNATHAN ; KITKO DAVID JONATHAN ; KITKO DAVID JONNATHAN ; LABEQUE REGINE ; LABEQUE REGINE NMN ; LAURENT JAMES CHARLES TEOPHILE ; LAURENT JAMES CHARLES THEOPHIL ; THEOPHILE ROGER ; WILLIAMS BARBARA KEY ; WILLIAMS BARBARA KAY ; KITKO DAVID JOHATHAN ; JUBIN TIMOOTHY JAY ; COLLISON SIMON ROBERT ; BURCKETT ST LAURENT JAMES CHARLES ; WILLIAMS KAY ; ROGER BURCKETT ST LAURENT JAME ; PERKINS MARK ; KITKO JOHNATHAN ; JOHNSTON PYOTT ; HUBIN JAY ; HILER GEORGE DOUGLAS ; BUSCH HADLEY ; BURNS MICHAEL EUGENE ; BUSCH D H ; BUSCH DARYLE HADLEY ; COLINSON SIMON ROBERT ; COLLINSON S R ; COLLINSON SIMON ROBERT ; HUBIN T J ; HUBIN TIMOTHY JAY ; TIMOTHY JAY HUBIN ; T J HUBIN ; SIMON ROBERT COLLINSON ; SIMON ROBERT COLINSON ; S R COLLINSON ; ROGER BURCKETT ST LAURENT JAMES CHARLES THEOPHILE ; ROGER BURCKETT ST LAURENT JAMES ; REGINE LABEQUE ; PERKINS CRISTOPHER MARK ; PERKINS CHRISTOPHER MARK ; PERKINS CHRISTOPHER M ; WILLIAMS BARBARA K ; KITKO DAVID J ; JAMES PYOTT JOHNSTON ; JAMES CHARLES THEOPHILE ROGER BURCKETT ST LAURENT ; JAMES CHARLES THEOPHILE R BURCKETT ST LAURENT ; HUBIN TIMOTHY J ; DAVID JOHNNATHAN KITKO ; DARYLE HADLEY BUSCH ; D H BUSCH ; COLLINSON SIMON R ; JOHNSTON JAMES P ; CHRISTOPHER MARK PERKINS ; BUSCH DARYLE H ; BURCKETT STLAURENT JAMES CHARLES THEOPHILE ; BURCKETT ST LAURENT JAMES CHARLES THEOPHILE ROGER ; BURCKETT ST LAURENT JAMES CHAR ; BARBARA KAY WILLIAMS

Inventor(s): BURCKETT ST LAURENT JAMES CHARLES TH ; BURCKETT ST LAURENT JAMES CHARLES THEOPHILE R ; BURCKETT ST LAURENT JAMES CHARLES T R ; BURCKETT ST LAURENT JAMES CHARLES TR ; BUSCH DARYLE ; JOHNSTON JAMES ; COLLINSON SIMON ; HUBIN TIMOTHY ; KITKO DAVID ; WILLIAMS BARBARA ; PERKINS CHRISTOPHER ; JAMES CHARLES TEOPHILE ROGER BURCKETT ST LAURENT ; JAMES CHARLES THEOPHILE ROGER BURCKETT STLAURENT ; JAMES PYOTT JOHNSON ; DAID JOHANATHAN KITKO ; BURCKETT STLAURENT JAMES CHARLES THEOPHILE ROGER

Agent(s): PHILLIPS ORMONDE FITZPATRICK; KIRBY EADES GALE BAKER; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION WEST BLDG; THE PROCTER AND GAMBLE COMPANY,GLOBAL LEGAL DEPARTMENT - IP; PROCTER AND GAMBLE CO GLOBAL LEGAL DEPARTMENT IP; JAMES F; STEVE W; KIM W

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

Title: AIR TANK MANIFOLD

Abstract: Manifolds for mounting in the domed end **cap** of an air reserve tanks for a truck or the like have bodies which have central openings in communication with an opening formed in the tank end **cap** and which provide a plurality of outlet passages which are in communication with the inlet opening. The outlet passages may be provided with push-to-connect tube or hose retaining fittings, inlet check valves, pressure relief valves or the like by which the manifolds provide for multiple air line connections to a common tank. Embodiments of the manifold are shown as applied to metal and to composite tanks.

Classifications:

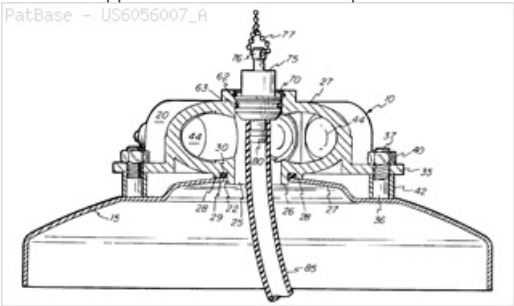
International (IPC 8-9): B60T17/04 B60T17/06
F17C13/04 (Advanced/Invention)

International (IPC 1-7): B64G1/00 F16L43/00 F17C13/04

CPC: F17C2201/0109 F17C2201/0166 F17C2201/035 F17C2201/056
F17C2205/0146 F17C2205/0332 F17C2205/0335 F17C2205/0394
F17C2205/0397 F17C2221/031 F17C2223/0123 F17C2223/047
F17C2260/036 F17C2270/0171 B60T17/043 B60T17/04 B60T17/06
F17C13/04 Y10T137/6881 Y10T137/85938 Y10T137/86332
Y10T137/86348

European: B60T17/04 B60T17/04B B60T17/06 F17C13/04

US: 137/351 137/561A 137/588 137/590



Family:

Publication number	Publication date	Application number	Application date
AT238514 E	20030515	AT19980934525T	19980714
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EP0925468 A1	19990630	EP19980934525	19980714
EP0925468 A4	19990901	EP19980934525	19980714
EP0925468 B1	20030423	EP19980934525	19980714
US6056007 A	20000502	US19980114536	19980713
WO9904193 A1	19990128	WO1998US14557	19980714

Priority:

US19970052570P 19970715 US19980114536 19980713 WO1998US14557 19980714

Probable Assignee: Q3 JMC INC

Assignee(s): (std): Q 3 JMC INC ; Q3 JMC INC

Inventor(s): (std): GOCHENOUE FREDERICK C ; PICKERING RICHARD C ; PICKERING C ; GOCHENOUE R C

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

Title: FOLDABLE/COLLAPSIBLE STRUCTURES

Abstract: The present invention relates to a collapsible/foldable structure suitable for a variety of applications, such as an animal shelter, **pet** carrier transportation device, or a collapsible consumer storage container in general, such as a cooler or ice chest. The structure comprises a top roof and a bottom platform defining a top and bottom of said structure and a vertically disposed lower side section on said bottom platform. Front and rear walls are included. The structure also includes a pair of sidewalls each pivotally attached to the roof to facilitate inward collapse of the sidewalls when the sidewalls are pivoted toward the bottom platform. The sidewalls are defined by an upper and middle section including the lower vertically disposed side section, wherein the upper and middle sections are pivotally attached to one another and the middle and lower sections are pivotally attached to one another so that the upper and middle sidewall sections can be pivoted inwardly towards said bottom platform, to provide a compact collapsed condition.

Classifications:

International (IPC 8-9): A01K1/00 A01K1/02 A01K1/03

E04B1/344 (Advanced/Invention);

A01K1/02 E04B1/344 (Core/Invention)

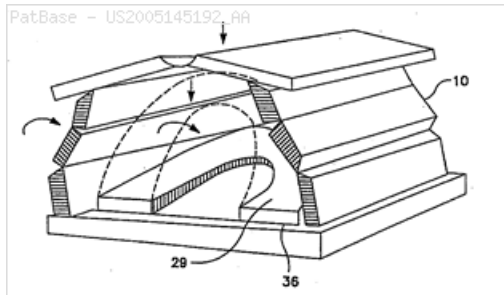
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E04B1/344

CPC: A01K1/0245 A01K1/033

European: A01K1/02D1 A01K1/03C

US: 119/497 119/499



Family:

Publication number	Publication date	Application number	Application date
AU200032383 A1	20000914	AU20000032383	20000222
AU200032383 A5	20000914	AU20000032383D	20000222
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