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Bibliographic data: US2005121452 (A1) — 2005-06-09

Containers and methods of production thereof

Inventor(s): STOLTZ HENDRIK F [SE] ± (STOLTZ HENDRIK F)

Applicant(s): STOLTZ HENDRIK F

Classification: - **international:** **B65D43/02**; **B65D43/10**; **B65D51/20**; (IPC1-7): B65B7/28; B65D51/00
 - **cooperative:** **B65D43/0256**; **B65D51/20**; **B65D2543/00092**; **B65D2543/00296**; **B65D2543/00518**; **B65D2543/00537**; **B65D2543/00555**; **B65D2543/00629**; **B65D2543/00685**; **B65D2543/0074**; **B65D2543/00796**

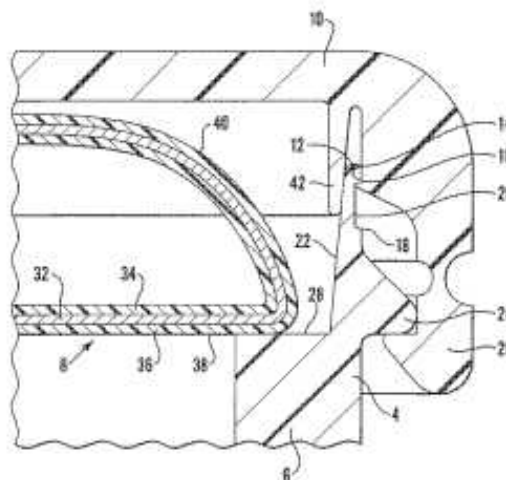
Application number: US20050507400 20050114

Priority number(s): GB20020005832 20020313 ; WO2003IB00936 20030313

Also published as: WO03076293 (A2) WO03076293 (A3) MXPA04008927 (A) EP1492714 (A2) CA2487898 (A1) more

Abstract of US2005121452 (A1)

A container comprises a hollow body (6) blow-moulded from an injection-moulded thermoplastics preform, the body (6) having an inside shoulder (28) at a mouth end of the body, the shoulder (28) having a radially innermost diameter less than the internal diameter of the axially outermost extremity of the mouth end. A foil (8) closes the body (6) at the shoulder (8) and is sealingly attached to the shoulder. A snap-on, removable, injection-moulded closure (10) is applied over the (10) mouth end of the body (6).



**Espacenet****Bibliographic data: US2015252712 (A1) — 2015-09-10**

DIESEL EXHAUST FLUID SYSTEMS

Inventor(s): FOSTER BRENDAN J [US]; STOLTZ HENDRIK F [US] ± (FOSTER BRENDAN J, ; STOLTZ HENDRIK F)

Applicant(s): BENECOR INC [US] ± (BENECOR, INC)

Classification: - international: ***B67D7/02; B67D7/62; B67D7/78; F01N3/28***
- cooperative: ***B67D7/0294; B67D7/62; B67D7/78; F01N3/2896;***
Y10T137/86035; Y10T137/86075

Application number: US201514638022 20150304

Priority number(s): US201514638022 20150304 ; **US201461947812P 20140304**

Abstract of US2015252712 (A1)

A diesel exhaust fluid system for use on a diesel-powered machine, including a storage tank adapted to store diesel exhaust fluid, a receiver, and a shut-off valve. The receiver is disposed in selective fluid communication with the storage tank and is adapted to receive diesel exhaust fluid. The shut-off valve is interposed in fluid communication between the storage tank and the receiver and has: a first position wherein diesel exhaust fluid can flow from the receiver to the storage tank, and a second position wherein flow is interrupted from the receiver to the storage tank. The shut-off valve moves from the first position to the second position in response to predetermined accumulation of diesel exhaust fluid in the storage tank.

**Espacenet****Bibliographic data: US2009151814 (A1) — 2009-06-18**

Dosing apparatus

Inventor(s): KELLY JOHN JOSEPH [GB]; STOLTZ HENDRIK FREDRIK [CH]; VENTER GERT LOURENS JACOBUS [ZA] ± (KELLY JOHN JOSEPH, ; STOLTZ HENDRIK FREDRIK, ; VENTER GERT LOURENS JACOBUS)

Applicant(s):

Classification: - international: ***B05B1/30; B05B1/34; B65B1/04; B65B3/32; B65B39/00; B67C3/28; F16K41/10; G01F11/30***
- cooperative: ***B05B1/3046; B05B1/341; B65B3/32; B65B39/004***

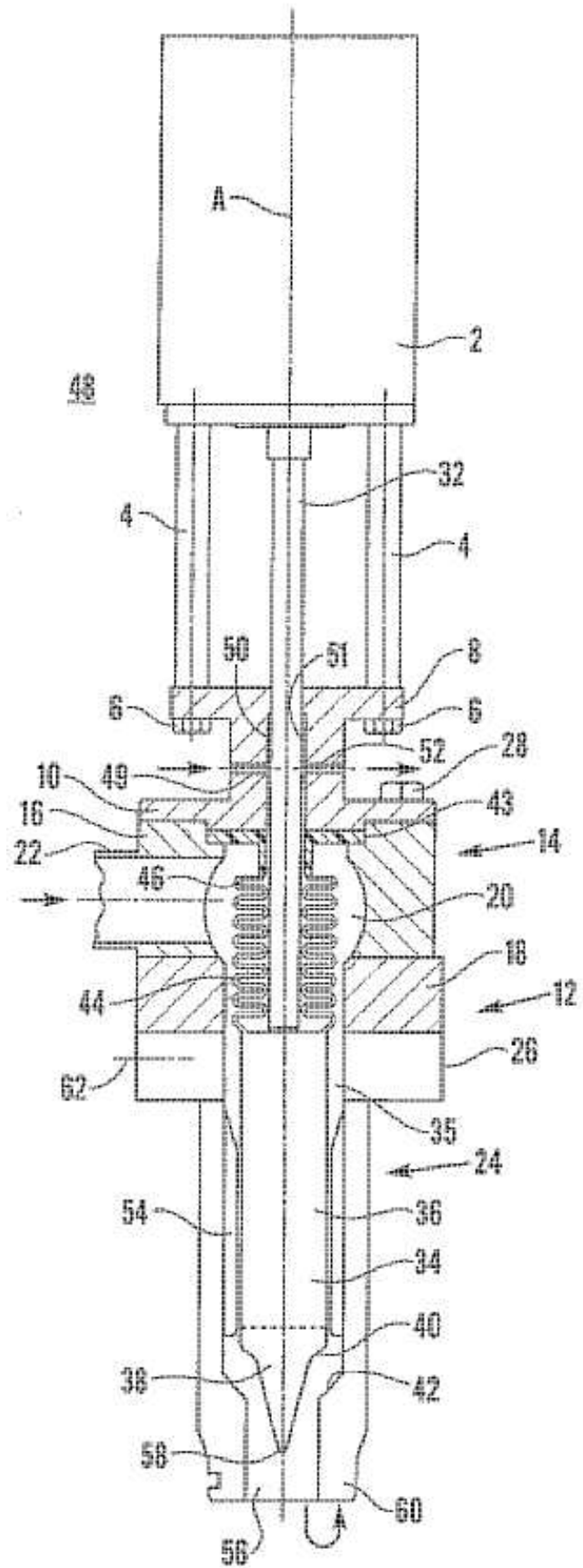
Application number: US20060884256 20060209

Priority number(s): GB20050003019 20050212 ; WO2006GB00456 20060209

Also published as: WO2006085081 (A2) WO2006085081 (A3) EP1848639 (A2)

Abstract of US2009151814 (A1)

A dosing apparatus in a form-fill-seal packaging machine comprises a delivery nozzle (12), a valve closure member (34) co-axial with the nozzle (12) and reciprocable co-axially relative thereto and bounding with the nozzle (12) an annular volume (35) therebetween for flow of liquid therethrough, fins (54) in the volume (35) and extending helically co-axially with the nozzle (12) for imparting a spiral motion to the liquid flowing through said volume, an annular valve closure seat (42) in and co-axial with the nozzle (12), respective annular portions of the seat (42) and the member (34) coming into sealing contact with each other, the annular portion of the member (34) comprising glass-fibre-reinforced plastics, a tubular bellows (44) extending between the nozzle (12) and the member (34) and sealingly separating in a liquid-tight manner the volume (35) from an interior chamber (46), and ducting (49, 50) which serves to supply a microbiocidal medium to the chamber (46).



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Bibliographic data: WO2010146375 (A2) — 2010-12-23

APPARATUS AND METHOD

Inventor(s): DRAKE DAVID JOSEPH [US]; LUKASIEWICZ ANTHONY JOHN [US]; STOLTZ HENDRIK FREDRIK [CH]; VENTER GERT LOURENS JACOBUS [ZA] ± (DRAKE, DAVID, JOSEPH, ; LUKASIEWICZ, ANTHONY, JOHN, ; STOLTZ, HENDRIK, FREDRIK, ; VENTER, GERT, LOURENS JACOBUS)

Applicant(s): ELOPAK SYSTEMS [CH]; DRAKE DAVID JOSEPH [US]; LUKASIEWICZ ANTHONY JOHN [US]; STOLTZ HENDRIK FREDRIK [CH]; VENTER GERT LOURENS JACOBUS [ZA]; BURROWS ANTHONY GREGORY [GB] ± (ELOPAK SYSTEMS AG, ; DRAKE, DAVID, JOSEPH, ; LUKASIEWICZ, ANTHONY, JOHN, ; STOLTZ, HENDRIK, FREDRIK, ; VENTER, GERT, LOURENS JACOBUS, ; BURROWS, ANTHONY, GREGORY)

Classification: - international: **B31F1/00**
- cooperative: **B31B1/28**; **B31B1/64**; **B31B3/00**; **B31B2201/2604**;
B31B2201/6026

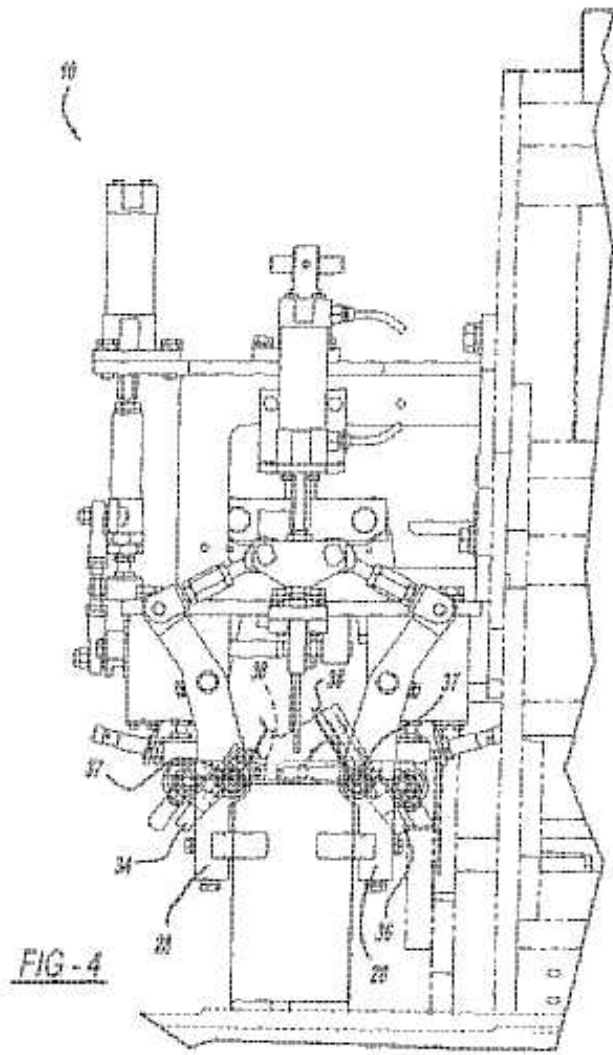
Application number: WO2010GB01206 20100618

Priority number(s): US20090268923P 20090618

Also published as: WO2010146375 (A3) EP2442971 (A2)

Abstract of WO2010146375 (A2)

Apparatus for folding substantially rectangular bottom end closure panels of a carton sleeve (20) of semi-rigid sheet material in forming a carton comprises two pairs of arms (28) oscillatable towards and away from one another relative to the panels, two jaws (34) and (36) pivotally mounted on the respective arms (28) and whereof the axes of turning (37) are oscillatable with the arms (28) relative to the panels and which are applicable in substantially parallel manners to the respective panels to be folded relative to respective other panels of the carton sleeve (20) which are backed up by a mandrel.



**Espacenet****Bibliographic data: WO2011048385 (A2) — 2011-04-28**

IMPROVEMENTS IN OR RELATING TO PACKAGING

Inventor(s): DEAN RICKEY [US]; LUKASIEWICZ ANTHONY JOHN [US]; STOLTZ HENDRIK [CH]; HUGG JAMES [US]; DEAN JEFFREY STEVEN [US]; WINEMAN STEVEN TROY [US] ± (DEAN, RICKEY, ; LUKASIEWICZ, ANTHONY, JOHN, ; STOLTZ, HENDRIK, ; HUGG, JAMES, ; DEAN, JEFFREY, STEVEN, ; WINEMAN, STEVEN, TROY)

Applicant(s): ELOPAK SYSTEMS [CH]; DEAN RICKEY [US]; LUKASIEWICZ ANTHONY JOHN [US]; STOLTZ HENDRIK [CH]; HUGG JAMES [US]; DEAN JEFFREY STEVEN [US]; WINEMAN STEVEN TROY [US]; BURROWS ANTHONY GREGORY [GB] ± (ELOPAK SYSTEMS AG, ; DEAN, RICKEY, ; LUKASIEWICZ, ANTHONY, JOHN, ; STOLTZ, HENDRIK, ; HUGG, JAMES, ; DEAN, JEFFREY, STEVEN, ; WINEMAN, STEVEN, TROY, ; BURROWS, ANTHONY, GREGORY)

Classification: - international: ***B65B31/04***
- cooperative: ***B65B3/00; B65B31/041; B65B31/042***

Application number: WO2010GB01963 20101022

Priority number(s): US20090279537P 20091022

Also published as: WO2011048385 (A3) EP2490947 (A2)

Abstract of WO2011048385 (A2)

A segregated nitrogen flush system (10) segregates a nitrogen flow arrangement (12) for providing a nitrogen flush, a chemical flow arrangement (16) and a steam flow arrangement (14) for sterilization of the segregated nitrogen flush system. Electronics are segregated from a flow of sanitizing steam or chemical that would harm electronics and other controls. A filter (18) upstream from a nitrogen delivery path (28) provides a resilient transition from nitrogen flow to higher pressure flow of sanitizing steam. Nitrogen flow is commanded through the nitrogen delivery path (28) to a nitrogen flush assembly (22) having a forward nozzle and plenum member for providing nitrogen flush to partially closed cartons. Guide rails are configured to converge to close the cartons

increasingly as they index forward. During a second operating mode, sanitizing steam flows through at least the filter.; During a third operating mode, sanitizing chemical flows through the chemical flow arrangement (16) to the nitrogen flush assembly (22).

