

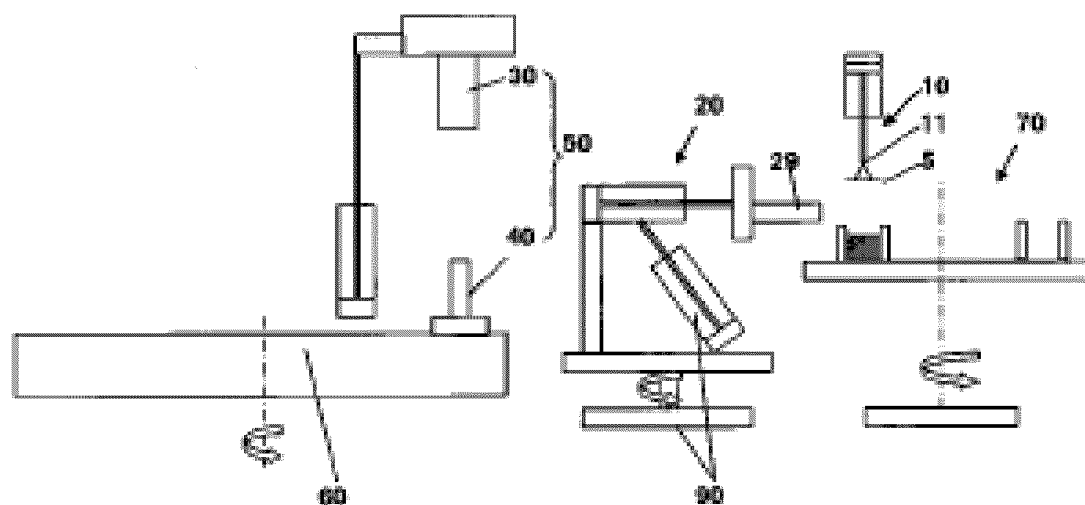
14 Documents

Publication numbers	Title	Current assignees
FR2922806 A1	Bottle, especially for mascara, comprising a label having barrier properties, and production method	ALBEA SERVICES
WO9920462 A2	Injected molded preform with barrier coated polyester and method for making a barrier coated polyester article	ADVANCED PLASTICS TECHNOLOGIES LUXEMBOURG
GB200009090 D0	Extruder with circular die for coextrusion	NORMA GERMANY
GB9811308 D0	Thin-walled plastics bottle, closure and bottling process	BAPCO CLOSURES RESEARCH
WO200584464 A2	Using carbon dioxide regulators to extend the shelf life of plastic packaging	BP NORTH AMERICA
CA2813573 A1	Method of producing a colored plastic article	3M INNOVATIVE PROPERTIES
WO2014205802 A1	Plastic photovoltaic module frame and rack, and composition for making the same	DOW GLOBAL TECHNOLOGIES
IL-115618 A	Polyolefin compositions exhibiting heat resistivity, low hexane-extractives and controlled modulus	DOW GLOBAL TECHNOLOGIES
US20070087131 A1	Methods of forming multilayer articles by surface treatment applications	ADVANCED PLASTICS TECHNOLOGIES LUXEMBOURG, ...
CA2065426 A1	Metal-plastic composites, process for producing them and their use.	BASF LACKE & FARBEN
SE9800728 D0	CONTAINER DISTRIBUTER	JOHNSON & JOHNSON CONSUMER
WO200890354 A1	Scavenging Oxygen	COLORMATRIX HOLDINGS
WO201248955 A1	Packaging and dispensing of detergent compositions	UNILEVER
US20110120902 A1	Sustainable packaging for consumer products	PROCTER & GAMBLE

Family 1/14 - FAMPAT - ©Questel

Title
(EP2219845)
Bottle, especially for mascara, comprising a label having barrier properties, and production method

Images



Abstract
(EP2219845)

Bottle (101) for a cosmetic product containing a volatile solvent, especially for mascara, comprising an opening (106) and a rigid side wall (103) produced as a **plastic** moulding having an inside lateral surface in contact with said cosmetic product and an outside lateral surface (104) to which a label (100) is affixed, said label having barrier properties with regard to the volatile solvent. This label advantageously covers the entire outside lateral surface.

Inventors
CRUTCHLEY EDWARD BROOKE

Latest standardized assignees - inventors removed
ALBEA SERVICES

Family 2/14 - FAMPAT - ©Questel

Title
(EP1873207)
Injected molded preform with barrier coated polyester and method for making a barrier coated polyester article
Images

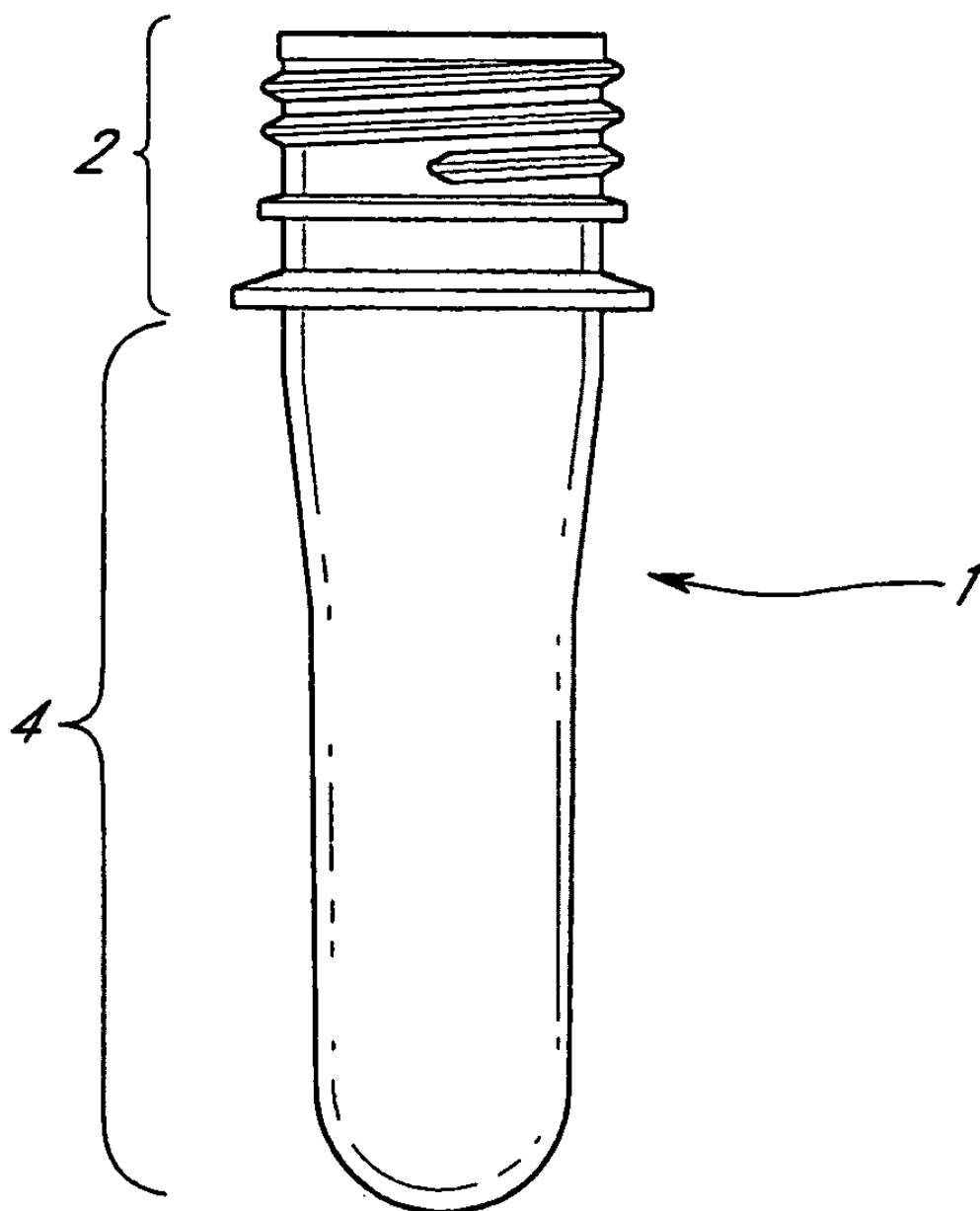


FIG. 1

Abstract

(EP1873207)

This application relates to an injected molded preform, for instance for bottles, comprising a first layer comprising a thermoplastic polyester, preferably polyethylene terephthalate, and a second comprising an amorphous thermoplastic barrier material. The first layer is thinner in an end cap portion than in a wall portion and the second layer is thicker in the end cap portion than in the wall portion. It also relates to a method for making a barrier coated polyester article, comprising the steps of providing a polyester article having at least one surface, the surface having a temperature of at least 100°C, and placing a barrier material comprising a phenoxy type thermoplastic, or a copolyester of terephthalic acid, isophthalic

acid and at least one diol, on the surface of the polyester article to form a barrier coated polyester article.

Inventors

HUTCHINSON GERALD A

LEE ROBERT A

Latest standardized assignees - inventors removed

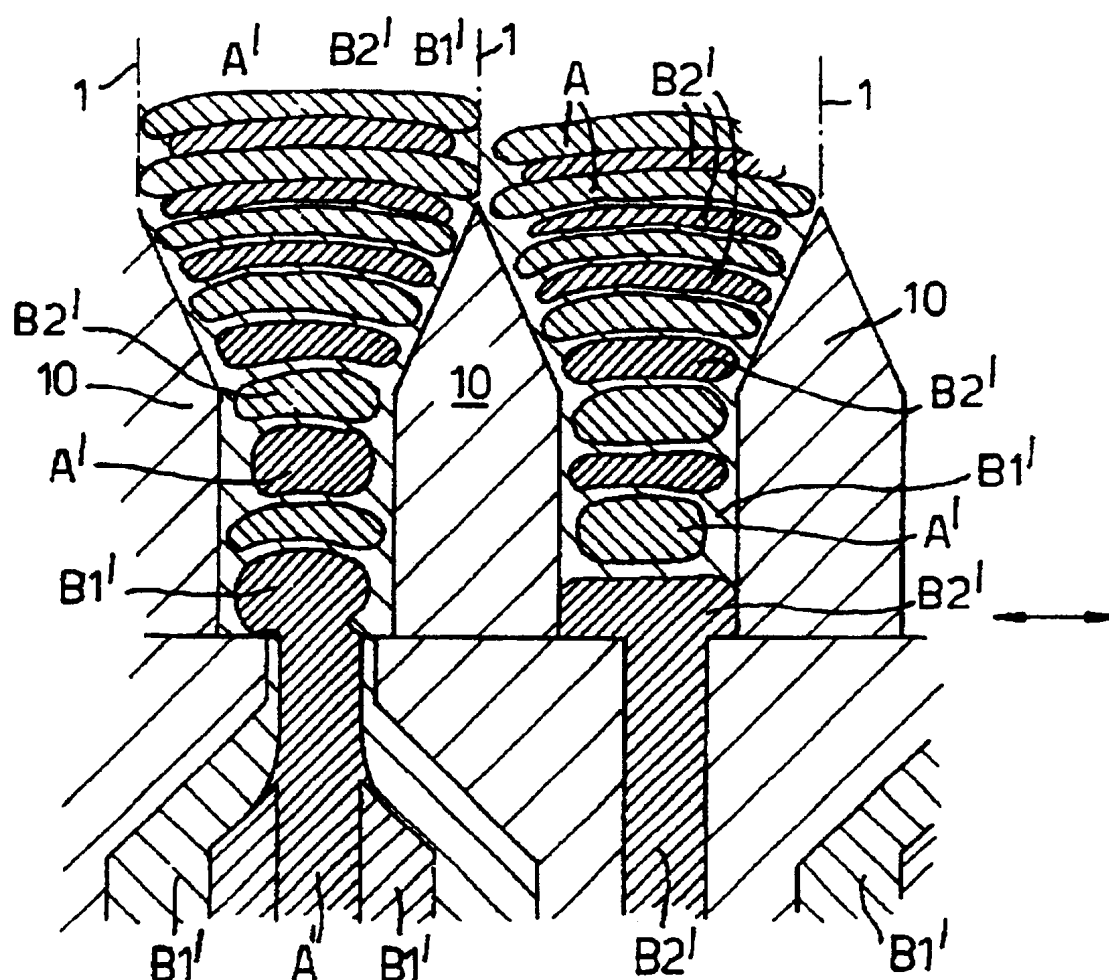
ADVANCED PLASTICS TECHNOLOGIES LUXEMBOURG

Family 3/14 - FAMPAT - ©Questel

Title

(EP1464467)

Extruder with circular die for coextrusion

Images**Abstract**

(EP1464467)

Apparatus is described for coextruding two materials A and B, in which B is extruded on A through a port (3), in which the separating wall between the flows of A and B is formed as a flap closure (4) which can open and close by pivoting movements and is adapted to adjust its position in accordance with the difference between the pressures of A and B acting on it. The die is circular for extruding tubular flows and the flap closure is ring-formed and at least the hinge forming part of it consists of a springy blade having its surfaces generally perpendicular to the axis of the die. The tubular flows preferably exit in a direction substantial parallel to the axis of the die. <IMAGE>

Inventors

RASMUSSEN OLE-BENDT

Latest standardized assignees - inventors removed

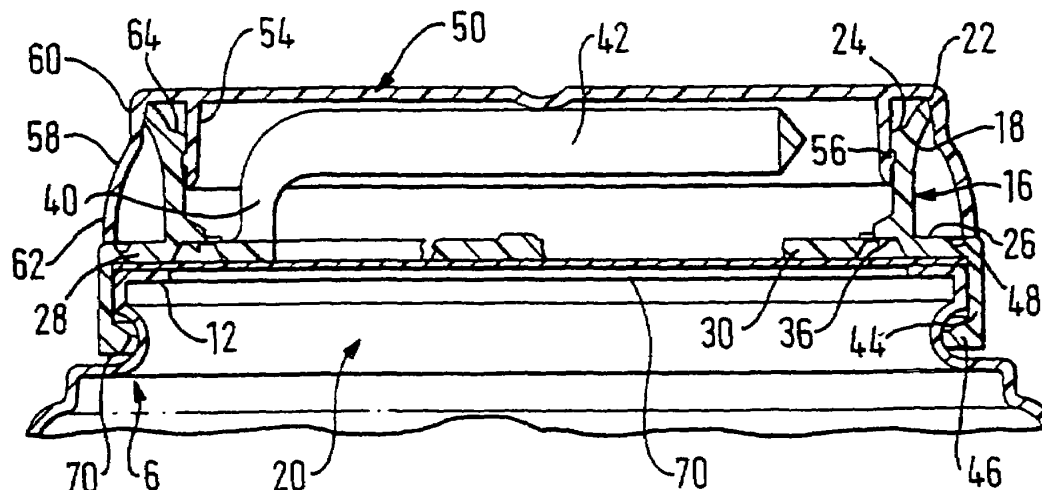
NORMA GERMANY

Family 4/14 - FAMPAT - ©Questel

Title

(EP1080020)

Thin-walled plastics bottle, closure and bottling process

Images**Abstract**

(EP1080020)

A bottle is formed from a moulded plastics body and an injection moulded neck and cap assembly which can be fused to the body after the body has been filled with a fluid. The body may be provided with a relatively wide mouth to enhance the filling speed. The bottle is particularly suitable for blow moulding in a plant adjacent to a dairy where it will be subsequently filled with a fluid and fused to a pre-sealed neck and cap assembly in a single continuous operation. A foil (70) is interposed between the body and the neck and cap assembly. The neck comprises a base (20) fitted to the body with a removable annular flange (30) connected to a pull ring (42) and secured to the foil (70). A frangible region (32) separates the removable annular flange (30) from the base (20). A plurality of depending teeth (36) each having a saw tooth profile inclined inwardly to a centre of the base are formed in the base adjacent to or in the frangible region (32) such that on removal of the pull ring (42) the foil (70) is torn by the teeth. The base may be provided with a weakened annular recess (48) that is concealed by a skirt (58) of a cap (50) when the closure is sealed. This recess (48) causes the base to break and the cap closure to be destroyed if any attempt is made to prise the base (20) from the mouth (6) of the bottle. This provides tamper evidence by destruction of the closure.

Inventors

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Latest standardized assignees - inventors removed

BAPCO CLOSURES RESEARCH

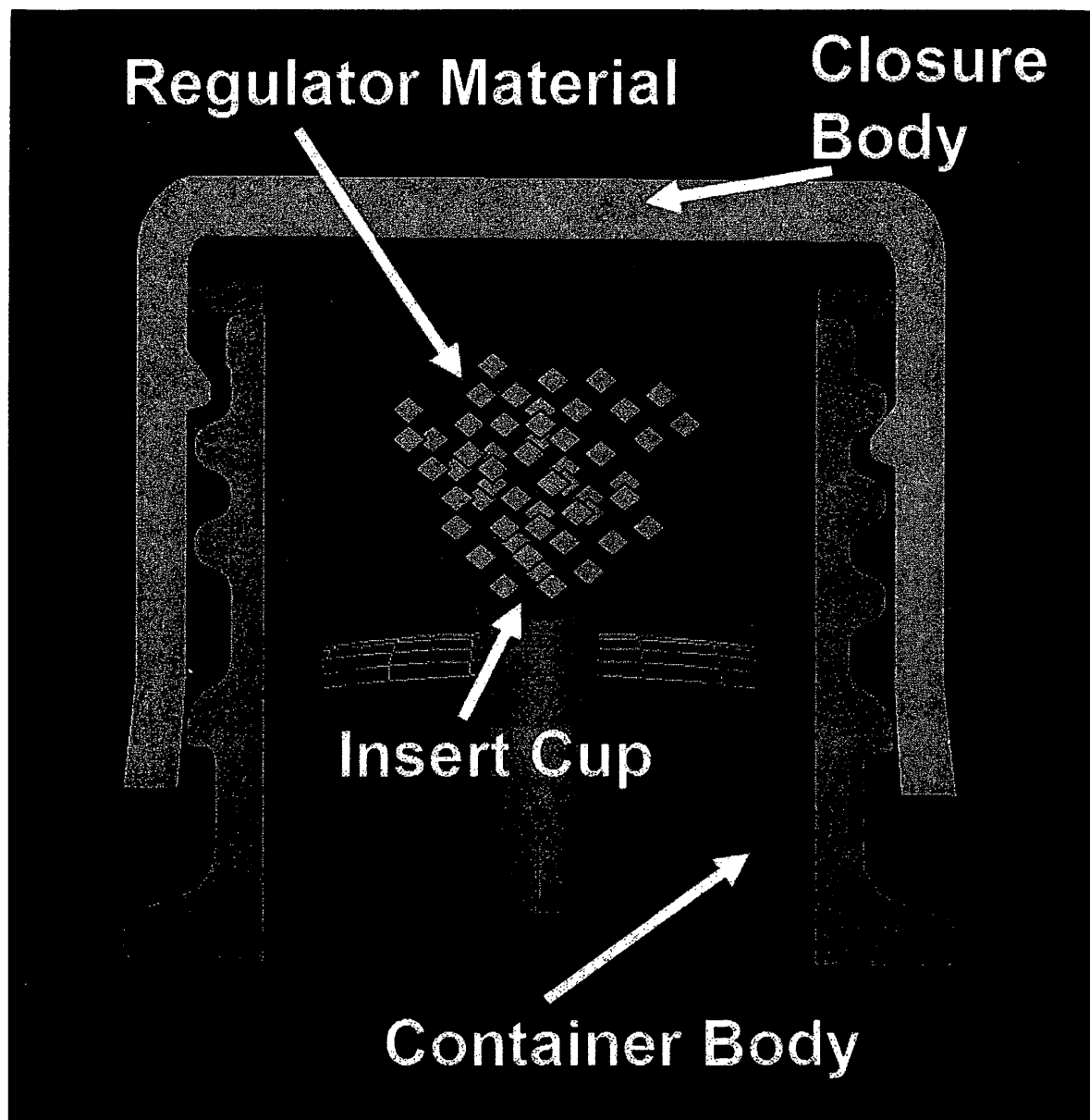
Family 5/14 - FAMPAT - ©Questel

Title

(EP1729601)

Using carbon dioxide regulators to extend the shelf life of **plastic** packaging**Images**

Regulator Cap Assembly with Regulator Disk and Liner



Abstract

(EP1729601)

A method for replenishing carbon dioxide gas in a carbonated beverage container where a carbon dioxide regulator releases carbon dioxide at a rate approximately equal to the rate of carbon dioxide loss from said container. Also disclosed is packaging system for maintaining a consistent pressure of a carbonated beverage comprising a closure, a plastic container, and a carbon dioxide regulator. Also disclosed is a method for making a packaging system for maintaining a consistent pressure in a carbonated beverage comprising overmolding a preform around an assembly for a carbon dioxide regulator, or blending a carbon dioxide regulator into the plastic material used to form the body of a container for said carbonated beverage. Also disclosed is carbon dioxide regulator composition for replenishing carbon dioxide gas in a carbonated beverage container comprising polymeric carbonates, organic carbonates, or materials that absorb and subsequently release carbon dioxide.

Inventors

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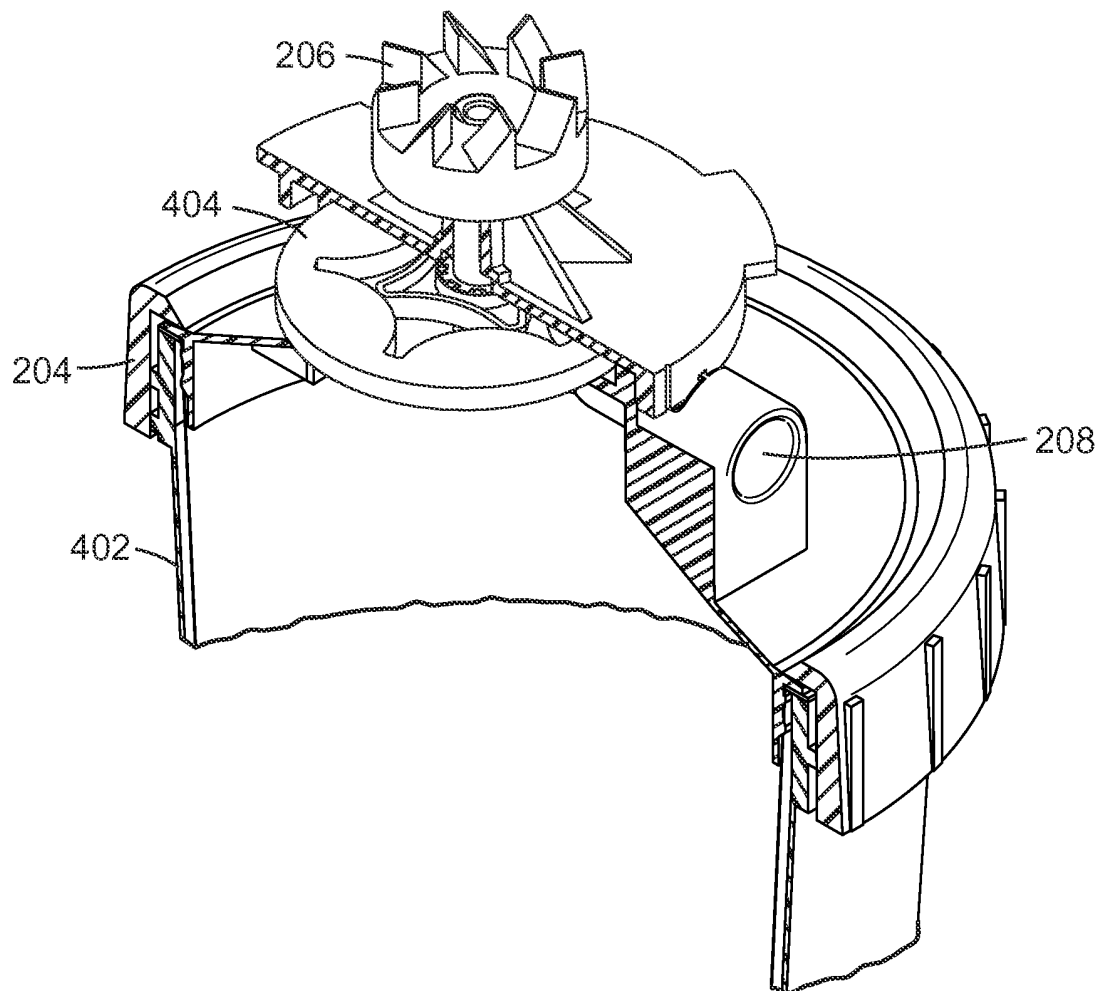
Latest standardized assignees - inventors removed

BP NORTH AMERICA

Family 6/14 - FAMPAT - ©Questel

Title

(EP3135452)

Method of producing a colored **plastic** article**Images****Abstract**

(EP3135452)

This specification describes a method of producing a colored **plastic** article comprising providing a container (203) comprising a liquid colorant, the container comprising an integrated pump cap (202); coupling the container to a molding device; driving the integrated pump cap to dose the liquid colorant into a neutral **plastic** base material to produce a colored melted **plastic** that can be delivered to a mold to produce a colored **plastic** article.

Inventors

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Latest standardized assignees - inventors removed

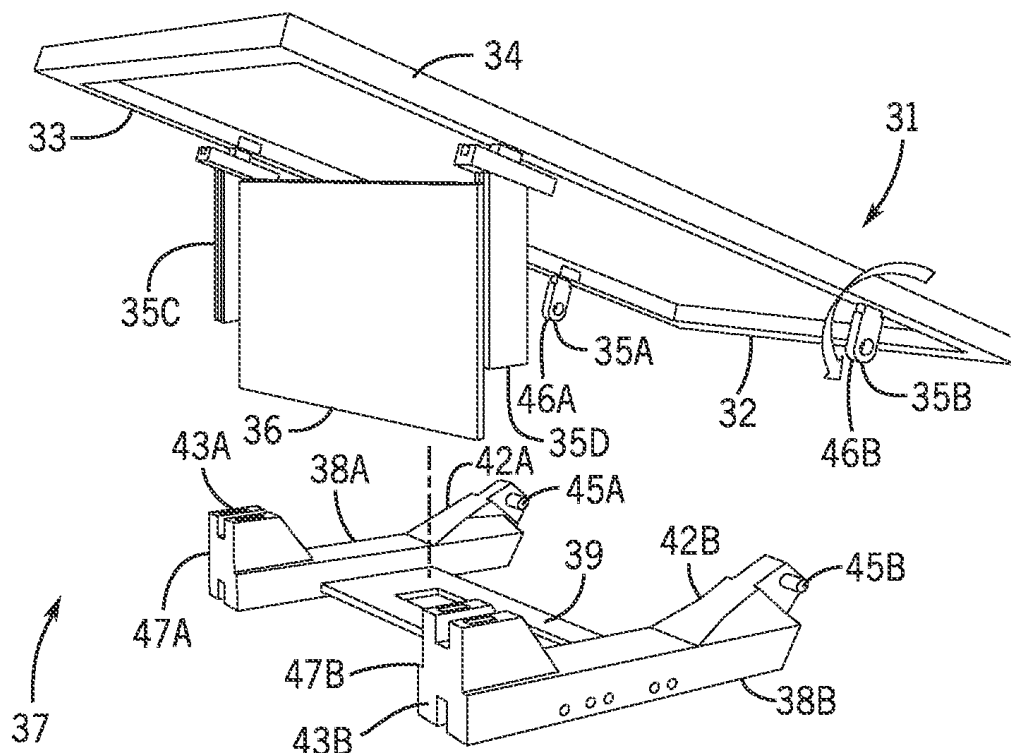
3M INNOVATIVE PROPERTIES

Family 7/14 - FAMPAT - ©Questel

Title

(EP3013901)

Plastic photovoltaic module frame and rack, and composition for making the same

Images**Abstract**

(EP3013901)

Photovoltaic or solar module frames, racks, or frame or rack components are made from a composition comprising (A) a thermoplastic polymer, particularly a thermoplastic polyolefin, (B) a reinforcing element, particularly glass fiber, (C) a non-halogen containing, intumescent flame retardant, (D) an impact-modifier, particularly a polyolefin elastomer, (E) a coupling agent, and, optionally, (F) one or more additives such as an antioxidant, UV-stabilizer, etc. These frames provide for easy assembly without the need for screws, bolts or other metal fasteners.

Inventors

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Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

Family 8/14 - FAMPAT - ©Questel

Title

(EP-787167)

Polyolefin compositions exhibiting heat resistivity, low hexane-extractives and controlled modulus

Images

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4,724,185	2/1988	Shah	

Abstract

(EP-787167)

The subject invention provides a polymer mixture having high heat resistivity, low hexane-extractive and controllably lower or higher modulus. The mixture is comprised of at least one first substantially linear ethylene polymer, Component (A), and at least one second ethylene polymer which is a homogeneously branched polymer, heterogeneously branched linear polymer or a non-high density. When fabricated into film, the mixture is characterized by a heat seal initiation temperature which is substantially lower than its vicat softening point as well as a high ultimate hot tack strength. When fabricated as a molded article, the mixture is characterized by high microwave warp distortion while maintaining a lower modulus. The polymer mixture is particularly well-suited for use in multilayer film structures as a sealant layer for such applications as cook-in packages, hot-fill packages, and barrier shrink films. In molding applications, the mixture is well-suited as freezer-to-microwave food storage containers and lids which maintain good flexibility at low temperature to allow easy openability of

such containers.

Inventors

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Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

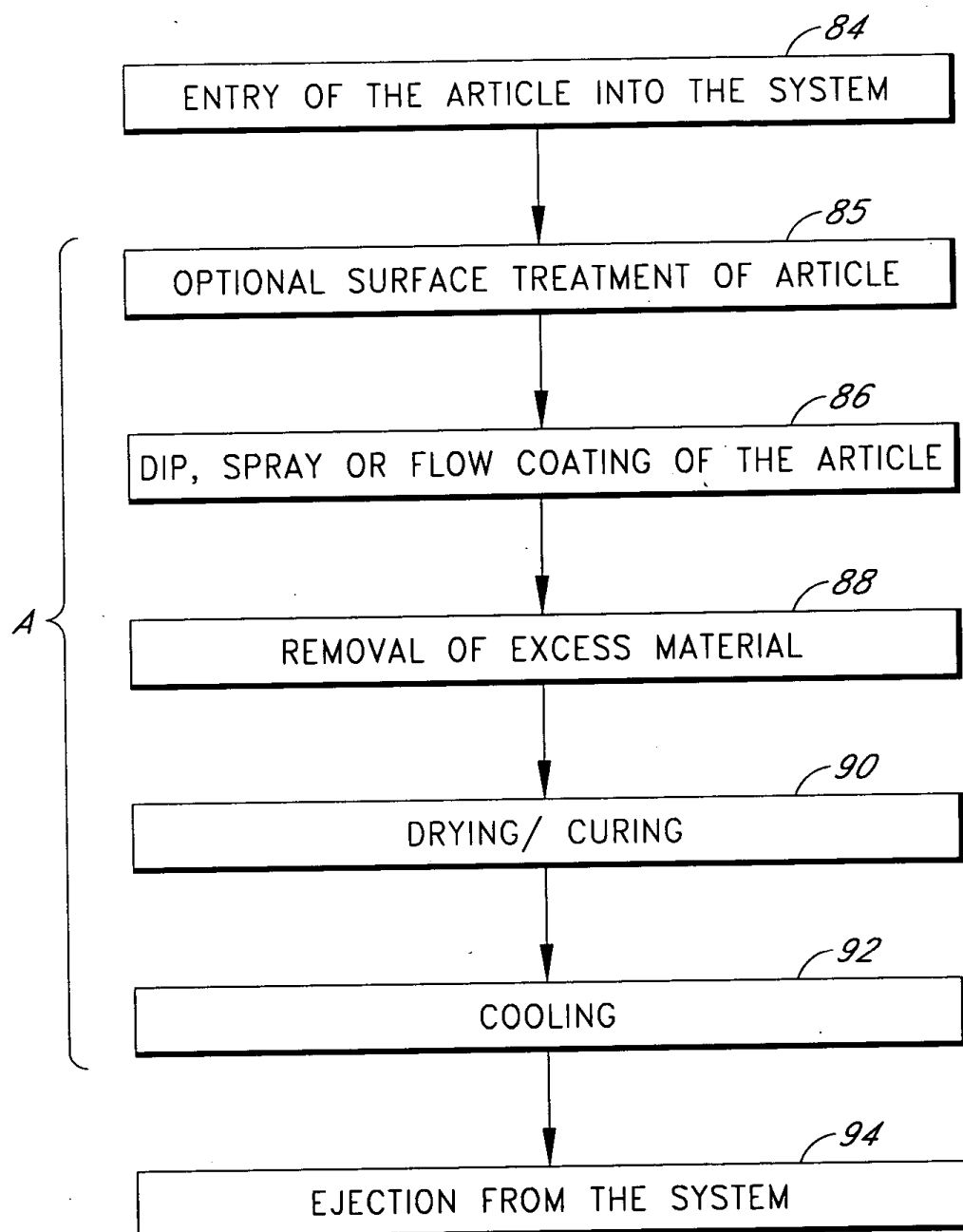
Family 9/14 - FAMPAT - ©Questel

Title

(EP1934275)

Methods of forming multilayer articles by surface treatment applications

Images

**Abstract**

(EP1934275)

Coated articles may comprise one or more coating layers, including water resistant coatings. A method comprises applying such coating layers by treating the article substrate by one or more methods selected from flame treatment, corona treatment, ionized air treatment, plasma air treatment and plasma arc treatment and dip, spray or flow coating. Additionally, a method comprises injection molding a first substrate material to form an article, treating the article surface by one or more methods selected from flame treatment, corona treatment, ionized air treatment, plasma air treatment and plasma arc treatment, and overmolding the article substrate with one or more barrier materials.

Inventors

HUTCHINSON GERRY A

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Latest standardized assignees - inventors removed

ADVANCED PLASTICS TECHNOLOGIES LUXEMBOURG

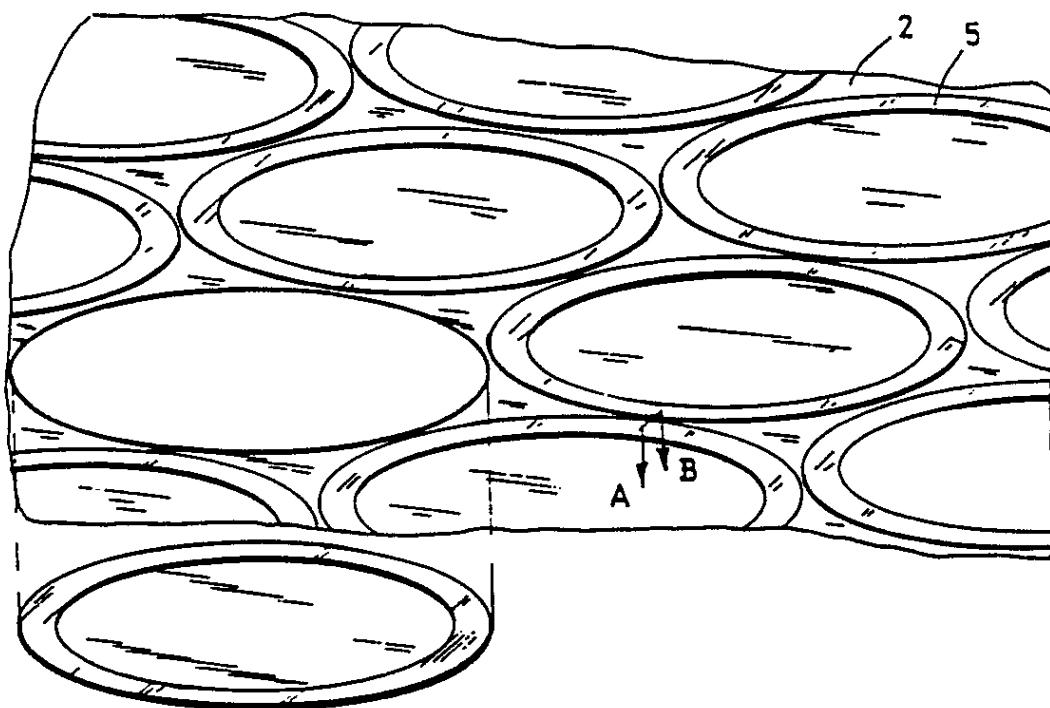
PEPSICO

Family 10/14 - FAMPAT - ©Questel

Title

(EP-490949)

Metal-plastic composites, process for producing them and their use.

Images**Abstract**

(EP-490949)

The invention relates to sheet metal coated with one or more layers (2) of possibly different resins, characterized by annular or disk-shaped bead-like thickenings (5) in at least one of the layers of resins. The invention also relates to processes for coating sheet metal, the thermoplastic composite films used to coat the sheet metal and the use of the coated sheet metal in the manufacture of packaging containers.

Inventors

HUB HANS-HENNING

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Latest standardized assignees - inventors removed

BASF LACKE & FARBEN

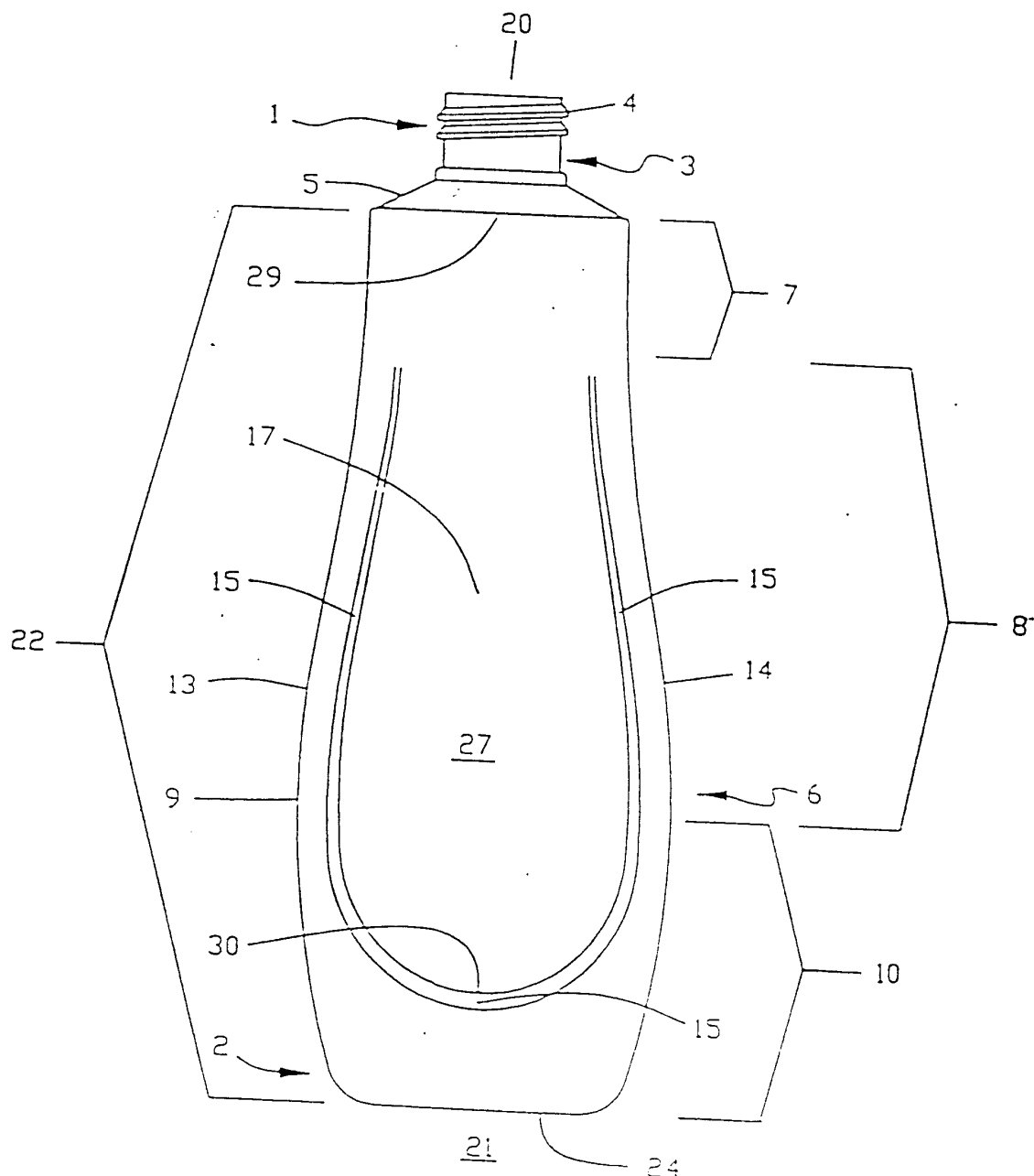
Family 11/14 - FAMPAT - ©Questel

Title

(FR2768129)

CONTAINER DISTRIBUTER

Images



Abstract

(FR2768129)

A container 6, designed to be easily used by children and the elderly, comprises a body 22 with recesses 15,16 on front and rear sides 13,14 defining first and second panels 17,18, and a neck 3 defining an opening 1. The container may be made of a mixture of different density polyethylenes, and may be used as a dispenser for liquids, solids such as talcum powder (fig 8), foams, or aerosols (fig 7). The container may have a closure with a flat surface that allows the container to be stored in an inverted position (fig 14), or alternatively, the container may be kept inverted by a pair of supports (71, 72, fig 13) that cooperate with the recesses of the body. The closure may be in the form of a press-fit, snap-on, snap and turn, or an oriented thread [lid](#), and the container may also be provided with finger grips (25, 26, fig 3A). A valve (80, fig 15A) may also be provided that has a threshold pressure below which the contents of the container will not be dispensed, but which can be easily activated by children or the elderly.

(From GB2328926 A)

Inventors

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Latest standardized assignees - inventors removed

JOHNSON & JOHNSON CONSUMER

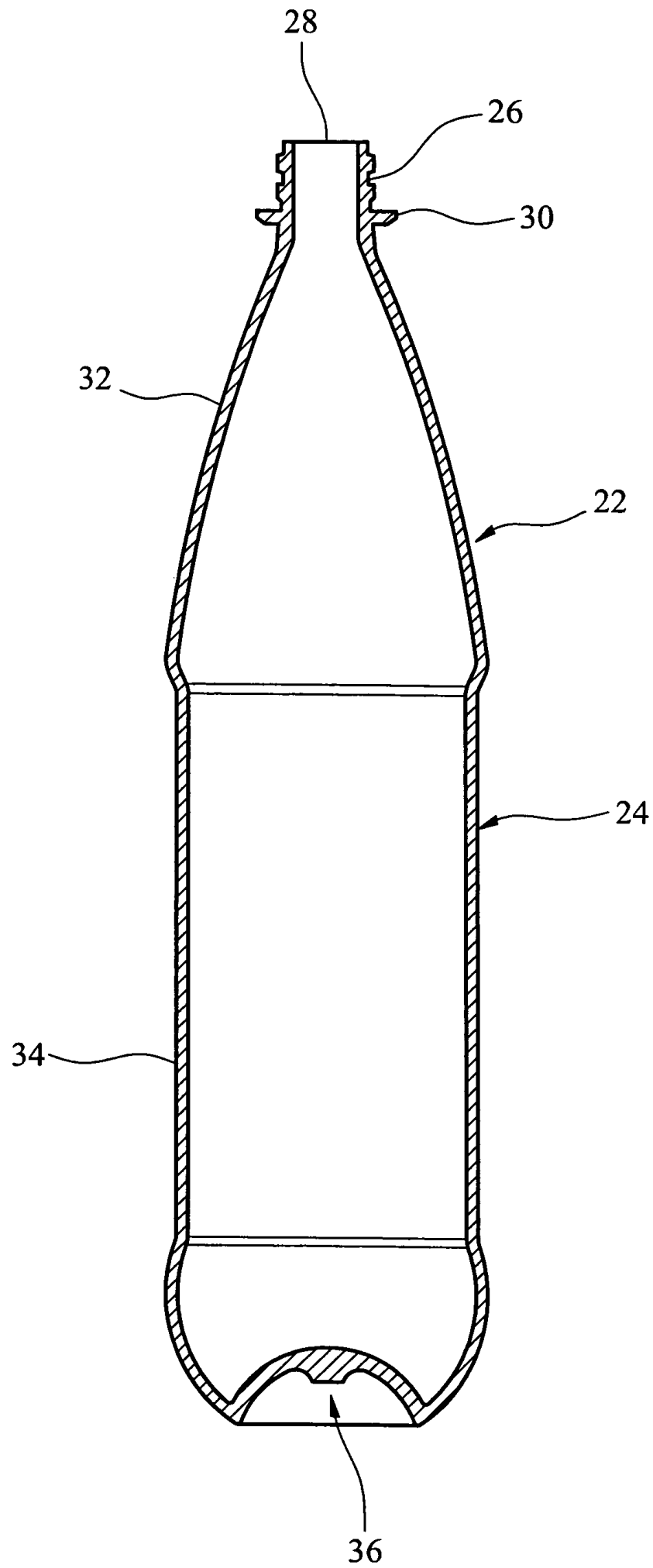
Family 12/14 - FAMPAT - ©Questel

Title

(EP2527270)

Scavenging Oxygen

Images



Abstract

(EP2527270)

A container (22) or a closure (40) includes a material comprising a hydrogen generating means, for example in the form of a hydride embedded in a polymerivc matrix. When vapor contacts the hydride, as a result the hydride produces molecular hydrogen which combines with oxygen which may have entered the container through its permeable walls. A reaction between the hydrogen and oxygen takes place, catalysed by a catalyst, and water is produced. Thus, oxygen which may ingress the container is scavenged and the contents of the container are protected from oxidation.

Inventors

RULE MARK

VALUS RONALD J

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Latest standardized assignees - inventors removed

COLORMATRIX HOLDINGS

Family 13/14 - FAMPAT - ©Questel

Title

(EP2627759)

Packaging and dispensing of detergent compositions

Images

Fig. 1

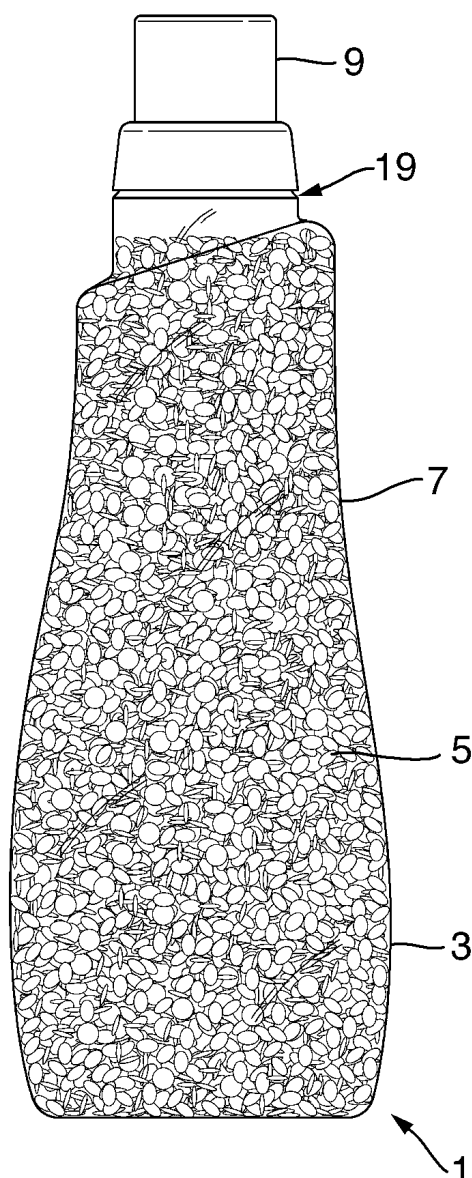
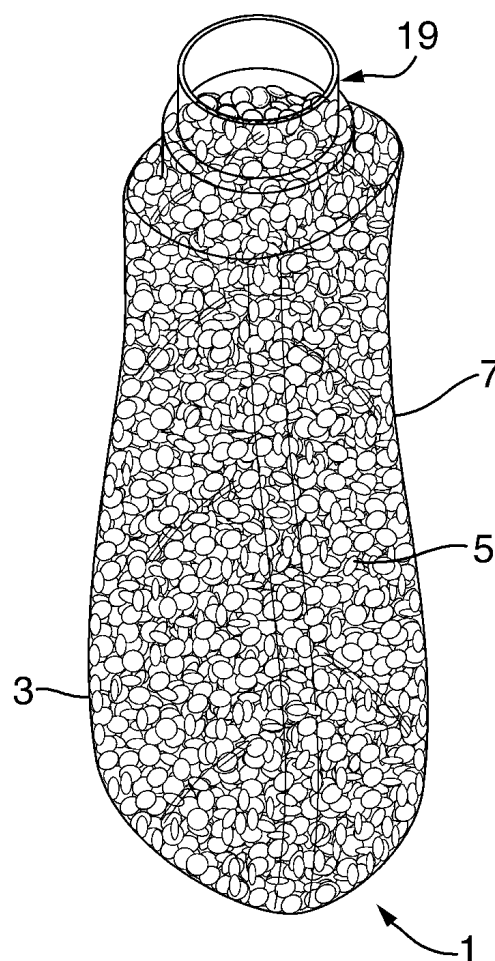


Fig. 2

**Abstract**

(EP2627759)

A packaged product comprising a combination of a concentrated particulate detergent composition (5) and a package (3), said package comprising a unitary dosing device and closure (9), and wherein at least 70 % by number of particles of the composition comprise a high-surfactant core and a hard coating.

Inventors

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Latest standardized assignees - inventors removed

UNILEVER

Family 14/14 - FAMPAT - ©Questel

Title

(EP2668105)

Sustainable packaging for consumer products

Images

	Layers	Bio-PET (wt.%)	Recycled PET¹ (wt.%)	Liquid Colorant Masterbatch (wt.%)	Filler(s) (wt.%)	EVOH Barrier Layer
A	Single Layer	30	70	0	0	0
B	Single Layer	30	69.925	Colormatrix Light magenta 183-10041-3 (0.075)	0	0
C	Single Layer	30	69.82	Colormatrix New Orange 187-10022-1 (0.18)	0	0
D	Single Layer	30	59.82	Colormatrix New Orange 187-10022-1 (0.18)	silica (10)	0
E	Single Layer	30	49.82	Colormatrix New Orange 187-10022-1 (0.18)	silica (20)	0
F	Single Layer	0	100	0	0	0
G	Single Layer	0	99.925	Colormatrix Light magenta 183-10041-3 (0.075)	0	0
H	Single Layer	0	99.82	Colormatrix New Orange 187-10022-1 (0.18)	0	0
I	Single Layer	100	0	0	0	0

Abstract

(EP2668105)

Disclosed herein is a sustainable article substantially free of virgin petroleum-based compounds that includes a container, a cap, and a label, each made from renewable and/or recycled materials. The article has a shelf life of at least two years, and is itself entirely recyclable. The container can include polyethylene, polyethylene terephthalate, or polypropylene. The cap can include polypropylene or polyethylene. The label can include polyethylene, polyethylene terephthalate, polypropylene, or paper.

Inventors

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ZIMMERMAN DEAN ARTHUR

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PROCTER & GAMBLE