



# **Vigilancia Tecnológica**

Reporte, Julio 2017

Cliente: RIBANEZ

TECHNOLOGY FORECASTING REPORT

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# 1. Introducción

El presente Informe es una vigilancia de las solicitudes de patente y modelo de utilidad que se han presentado ante la WORLD INTELLECTUAL PROPERTY ORGANIZATION (WIPO) utilizando el TRATADO DE COOPERACIÓN EN MATERIA DE PATENTES (PCT) y con prioridad vigente para entrar a los siguientes países resaltados en azul. Lista completa al final del Informe con fecha de entrada en vigencia del Tratado.

## 2. Metodología

Una vez realizado el procedimiento PCT ante la WIPO, el solicitante tiene el derecho a la solicitud de exclusividad de comercialización, distribución, importación, fabricación y uso del producto o proceso en cada uno de los países suscritos al acuerdo en un plazo de 30 meses desde la fecha de solicitud PCT o prioridad.

A continuación se informan las solicitudes de patentes de invención y modelos de utilidad través del título, resumen, fecha de publicación, fecha de solicitud, inventores y solicitantes obtenidas en relación al producto PLASTIC BOTTLE asociados a las palabras clave ['PLASTIC', 'BOTTLE', 'CONICAL', 'SURFACE'] de RIBANEZ y que han sido publicados en el período correspondiente al plazo máximo de prioridad HASTA EL 31 DE JULIO.

### 3. Resultados

A continuación se mostrarán los 10 resultados más relevantes de la búsqueda, en caso de existir, el resto de los resultados pueden ser vistos en anexos.

1- Número de publicación: [WO2010088209A8](#)

**Título:** BOTTLE WITH DIRECTED POUR SPOUT

**Fecha de publicación:** 05 de Jan de 2010

**Fecha para ingreso a fases nacionales:** 05 de Jul de 2012

**Abstract:** described is a **bottle** having **bottle** central part having a **bottle** base, a handle, and a **bottle** top with a **bottle** filling fitment. a snap-on spout has a nozzle fitment with a forward directed pouring orifice and attached child-resistant nozzle. the snap-on spout is attached to the **bottle** central part with a non-circular snap-fit attachment **surface**.

2- Número de publicación: [WO1999014132A1](#)

**Título:** FORMED AND DECORATED SEAL

**Fecha de publicación:** 25 de Jan de 1999

**Fecha para ingreso a fases nacionales:** 25 de Jul de 2001

**Abstract:** a closure assembly (12, 14) for wine **bottle** s includes a **bottle** (10) having a cylindrical opening (18) in the neck (16), a funnel shaped **surface** (22) connected to the cylindrical opening and a flat planar rim (24) on the outside of the **bottle**. a secondary closure (14) in the shape of an inverted hat fits over the rim and engages a glass by

means of a thermo **plastic** adhesive (36).

**3- Número de publicación:** [WO2008027029A3](#)

**Título:** TWO-PIECE CONTAINER SEAL AND METHOD OF MANUFACTURE

**Fecha de publicación:** 06 de Jan de 2008

**Fecha para ingreso a fases nacionales:** 06 de Jul de 2010

**Abstract:** an improved two-piece container seal suitable for sealing a container having a removable closure and for lining the closure comprises a flexible sealant sheet and a flexible liner sheet bonded thereto. the sealant sheet and liner sheet are of the same size and shape. the sealant sheet has a sealing **surface** and a first thermo **plastic surface**, and the liner sheet has an outer **surface** and a second thermo **plastic surface**. the first and second thermo **plastic surface**s are in opposed, congruent contact with each other, and the first thermo **plastic surface** is ultrasonically welded to the second thermo **plastic surface** by an array of spaced, frangible ultrasonic welds, forming an adhesive-free interface therebetween. a method of manufacturing a two-piece container seal and a sealed container comprising a two-piece container seal are also described.

**4- Número de publicación:** [WO2009018221A1](#)

**Título:** METHOD TO IMPROVE ADHESION OF A FORMED GASKET TO PLASTIC CLOSURES

**Fecha de publicación:** 05 de Jan de 2009

**Fecha para ingreso a fases nacionales:** 06 de Jul de 2011

**Abstract:** a method of attaching a gasket to a **plastic surface** includes providing a **plastic** material having a **surface**, applying heat to the **surface**, providing a liquid gasket material on the heated **surface**, and allowing the liquid gasket material and the **surface** to cool.

**5- Número de publicación:** [WO1997026198A1](#)

**Título:** CRYOGENIC FREEZING VIAL

**Fecha de publicación:** 24 de Jan de 1997

**Fecha para ingreso a fases nacionales:** 25 de Jul de 1999

**Abstract:** a cryogenic freezing vial (10). the vial (10) includes a hollow sample container



(12) having exterior threads (26) seated inside a hollow outer container (16) having interior threads (30). the two containers define a surrounding volume (22) therebetween which operates as a thermal barrier to resist temperature change within the sample container (12). a cap (20) having a tubular wall (34) extending outwardly from a continuous capping **surface** (36) includes threads (42, 46) formed on both of the opposing sides (40, 44) of the tubular wall (34). the inner threaded side (40) of the tubular wall (34) can be screwed into the hollow sample container (12), and then the outer threaded side (44) of the tubular wall (34) can be screwed into the hollow outer container (16). in such manner the cap (20) is disposed in simultaneous threaded engagement between the two containers to intercouple and seal the containers from their surrounding environment.

**6- Número de publicación:** [WO2008095368A1](#)

**Título:** A DISPOSABLE AND BURGLARY-RESISTING DRINKING WATER BOTTLE

**Fecha de publicación:** 14 de Jan de 2008

**Fecha para ingreso a fases nacionales:** 14 de Jul de 2010

**Abstract:** a disposable and burglary-resisting drinking water **bottle**, comprises a **bottle** body, a body neck, a aluminum foil and a **bottle** cap, the **bottle** body is interacted and integrated with the **bottle** cap, the **bottle** neck is a part of the **bottle** body, the **bottle** cap can be connected with the **bottle** neck by thread, a lug and a locking band are set on the **bottle** neck, a center burglary-resisting piece is set on the **bottle** cap, a burglary-resisting ring is set on the bottom of the **bottle** cap, the sealing aluminum foil is set on the opening of the **bottle** neck.

**7- Número de publicación:** [WO2010072039A1](#)

**Título:** A WINE BOTTLE WITH AN OPENER

**Fecha de publicación:** 01 de Jan de 2010

**Fecha para ingreso a fases nacionales:** 01 de Jul de 2012

**Abstract:** a wine **bottle** with an opener includes a **bottle** cap (1), a **bottle** opening (2) and a **bottle** body (4). said **bottle** cap (1) is sleeved on the **bottle** opening (2) of the wine **bottle**, several external threads (3) are evenly provided on the external **surface** of said **bottle** opening (2), and internal threads matching with the external threads are formed on the internal **surface** of said **bottle** cap (1) due to the pressure on said **bottle** cap (1). a petal-like concave opener with a figure similar to the **bottle** cap is provided on the bottom of the **bottle**.



8- Número de publicación: [WO2003059768A1](#)

**Título:** PLASTIC CLOSING CAP WITH SEALING RING

**Fecha de publicación:** 24 de Jan de 2003

**Fecha para ingreso a fases nacionales:** 24 de Jul de 2005

**Abstract:** a closing cap moulded in one piece from a **plastic** material for sealing a container with a threaded neck has a top plate (3), an annular skirt (4) with an internal screw thread (5) adapted to cooperate with the threaded container neck (2), and an integrally moulded deformable annular sealing ring (6) extending downwardly from an inner **surface** of said top plate (3) and spaced radially inwardly of the annular skirt (4), wherein when the closing cap (1) is screwed onto the container neck (2), the sealing ring (6) is deformed outwardly and is fully conformed to the outer **surface** of the container neck (2) without being clamped between the container neck (2) and the annular skirt (4) and without being pressed against the annular skirt (4).

9- Número de publicación: [WO1988003115A1](#)

**Título:** PLASTIC CLOSURE WITH UNITARILY MOLDED, FOAMED SEALING LAYER

**Fecha de publicación:** 05 de Jan de 1988

**Fecha para ingreso a fases nacionales:** 05 de Jul de 1990

**Abstract:** a molded polymeric container closure (10) comprising at least one substantially unfoamed polymer (14a) layer and an integrally molded foamed layer (14b) of the same polymer.

10- Número de publicación: [WO1993003870A1](#)

**Título:** LEAD-FREE CAPSULE FOR WINE BOTTLES AND METHOD OF MAKING

**Fecha de publicación:** 04 de Jan de 1993

**Fecha para ingreso a fases nacionales:** 05 de Jul de 1995

**Abstract:** a lead-free capsule (26) for wine **bottle**s and the like and a method for producing the capsule to have similar characteristics as traditional lead and lead-tin capsules include the selection of a laminate (10) of metallic foil (16) and **plastic** sheet (14) having a soft metallic **surface** look and feel, the laminate having characteristics of flexibility, ductility and adhesion permitting the laminate to be drawn to form a continuous, seamless capsule (26) configuration while maintaining laminate integrity.

11- Número de publicación: [WO2014139352A1](#)

**Título:** SAFETY ANTI-COUNTERFEITING WINE BOTTLE AND STRUCTURE OF BOTTLE CAP

**Fecha de publicación:** 18 de Jan de 2014

**Fecha para ingreso a fases nacionales:** 18 de Jul de 2016

**Abstract:** the present invention relates to a safety anti-counterfeiting wine bottle and a structure of a bottle cap. the bottle comprises a bottle body, a bottle cap and an anti-counterfeiting ring, wherein the anti-counterfeiting ring is a metallic anti-counterfeiting ring which is stuck to the outer wall of a bottle mouth of the wine bottle, the bottle mouth of the wine bottle is covered by the bottle cap, the bottle cap is a metallic bottle cap, a limiting convex rib which extends inwards is arranged on the top of the metallic anti-counterfeiting ring, a skirt edge which extends outwards is arranged on the bottom of the metallic bottle cap, the outer diameter of the skirt edge is greater than the inner diameter of the limiting convex rib, the skirt edge is arranged in the metallic anti-counterfeiting ring, a sealing ring is also arranged on the outer wall of the bottle mouth of the bottle body, and is used for sealing the inner wall of the bottle cap and the outer wall of the bottle mouth, a circle of easily-broken grooves are arranged on the side wall of the bottle cap, and a rotary clamping position for rotating the bottle cap is also arranged on the top of the bottle cap. in the present invention, by adopting the metallic sealing structure of the bottle cap, not only the sealing performance of the wine bottle is ensured, but also the problem of plasticizer of the existing sealing structure of the wine bottle is solved.