

INFORME DE BÚSQUEDA DE PATENTES PARA EL No de Radicación: 14-122620							
CRITERIOS PARA LA BÚSQUEDA (anexar pantallazo o reporte en PDF, junto con los boleanos utilizados)							
Palabras clave utilizadas		Multilayer film and polyester, película, ballon and film.					
CLASIFICACIONES INTERNACIONALES UTILIZADAS PARA LA BÚSQUEDA		B32B27/08; B32B27/12; B32B27/28; B32B27/32; B32B27/34; A63H27/10; B64B1/58.					
BASES DE DATOS CONSULTADAS.							
ESPACENET		Patent scope		PatBase		USPTO	
Espatentes							
INFORMES DE EXÁMENES REALIZADOS EN OTRAS OFICINAS (documentos patentes, literatura no patente etc...)							
Oficina	Fecha del examen o de reporte de búsqueda de documentos	Anterioridades encontradas para el examen o reportados en el examen de búsqueda(relacionarlos todos)	Reiv. afectadas	RELEVANCIA (requisito que afecta)	FUERON TENIDOS EN CUENTA PARA EL EXAMEN EN LA OFICINA COLOMBIANA		
					SI	NO	
WIPO	26/04/2013	Multilayer foodstuff wrapping provided with two oxygen-barrier layers WO2006/094733 / Familia ES 2,348,250	1-19	Novedad	X		
		Non-latex laminated balloons containing pigment and related methods US2011/123785	1-27	A		X	
DOCUMENTOS ADICIONALES ENCONTRADOS POR EL EXAMINADOR DE ACUERDO A LOS CRITERIOS DE BÚSQUEDA.							
Coextruded, retortable multilayer film US2003017352							
Lighter than air balloon made from a biaxially oriented polyester film US 20090022919							
Película termorretráctil multicapa que actúa como barrera ante el oxígeno y el vapor de agua y que muestra una baja tendencia a la ondulación. ES 2 262 921							
Observaciones							
Fecha del reporte de búsqueda:		29/10/2015					

Common Citation Doc... x DE20071013710 - Busi... x Espacenet - Bibliogr... x Espacenet - Claims... x 2003017352-Claims-e... x Espacenet - Descript... x 2003017352-Desc-es... x https://patentscope... x

worldwide.espacenet.com/publicationDetails/biblio?CC=US&NR=2003017352A1&KC=A1&FT=D

US2003017352 (A1)
Bibliographic data
Description
Claims
Mosaics
Original document
Cited documents
Citing documents
INPADOC legal status
INPADOC patent family

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→ What does A1, A2, A3 and B stand for after a European publication number?
→ What happens if I click on "In my patents list"?
→ What happens if I click on the "Register" button?
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→ Why do I sometimes find the abstract of a corresponding document?
→ What happens if I click on the red "patent translate" button?
→ What is Global Dossier?

Bibliographic data: US2003017352 (A1) — 2003-01-23

★ In my patents list x EP Register Report data error Print

Coextruded, retortable multilayer film

Page bookmark US2003017352 (A1) - Coextruded, retortable multilayer film

Inventor(s): DAYRIT RICHARD M. [US]; CALVERT STEVEN T. [US]; SCHWARZ STEPHEN J. [US]; MCKAMY DANIEL L. [US]; RIVERS BRIAN [US]; AYERS BOBBY [US] ±

Applicant(s): DAYRIT RICHARD M. ; CALVERT STEVEN T. ; SCHWARZ STEPHEN J. ; MCKAMY DANIEL L. ; RIVERS BRIAN ; AYERS BOBBY ; CRYOVAC, INC

Classification: - international: A23L3/02; A23L3/10; B32B27/30; B32B27/32; B32B27/34; (IPC1-7): A23B4/00; B32B27/08; C12C3/04
- cooperative: A23L3/02; A23L3/10; B32B27/30; B32B27/32; B32B27/34; Y10S428/01; Y10T428/21743; Y10T428/21746; Y10T428/3173; Y10T428/3175; Y10T428/3177; Y10T428/3191a; Y10T428/3192a

Application number: US20010809987 20010316

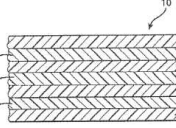
Priority number(s): US20010809987 20010316

Also published as: US6599639 (B2) WO200274537 (A1) DE60212816 (T2) AT331614 (T) NZ528146 (A) → more

Abstract of US2003017352 (A1)

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A coextruded, retortable film includes a core layer having an ethylene/vinyl alcohol copolymer, two intermediate layers including a polyamide, two adhesive layers including a polymeric adhesive, and two outer layers including low density polyethylene, medium density polyethylene, high density polyethylene, ethylene/alpha olefin copolymer, propylene homopolymer, and/or propylene/alpha olefin copolymer. A method of packaging a product using this film, and a package, are disclosed. A retortable film includes a first layer including low density polyethylene, medium density polyethylene, high density polyethylene, ethylene/alpha olefin copolymer, propylene homopolymer, and/or propylene/alpha olefin copolymer; a second layer including a polymeric adhesive; a third layer including an ethylene/vinyl alcohol copolymer; a fourth layer including a polymeric adhesive; a fifth layer including a polyamide; a sixth layer including a polymeric adhesive; and a seventh layer including low density polyethylene, medium density polyethylene, high density polyethylene, ethylene/alpha olefin copolymer, propylene homopolymer, and/or propylene/alpha olefin copolymer.



Sitemap Accessibility Legal notice Terms of use Last updated: 08.04.2015 Worldwide Database: 5.8.23.2; 93p

Common Citation Docu... x G: modulo de young - Busi... x W: Poliolefina - Wikipedia, la... x www.espates.com/pol... x Traductor de Google... x Patent US20090022919 - i... x

www.google.com/patents/US20090022919

Patents Application Grant

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Lighter than air balloon made from a biaxially oriented polyester film
US 20090022919 A1

ABSTRACT

A long life balloon formed from a lamination. The lamination includes a polyester film with a total thickness of 4 µm to 12 µm. The polyester film includes a biaxially oriented polyester core layer and at least one amorphous copolyester skin layer. The lamination also includes a sealant layer and a gas barrier layer on an opposite side of the polyester film from the sealant layer. The oxygen transmission rate of the balloon is less than 0.1 cc/100 sqin/day, a bonding strength of the gas barrier layer to the surface of the polyester film is more than 300 g/in at dry conditions, a sealing strength of the balloon is more than 3.5 kg/in, and a floating time of the balloon is more than 20 days.

Publication number US20090022919 A1
Publication type Application
Application number US 12/202,655
Publication date Jan 22, 2009
Filing date Sep 2, 2008
Priority date Jun 7, 2006

Also published as US8236399, US8323759, US8399080, US20110287199, US20110287200

Inventors Gianfranco Chicarella, 7 More »

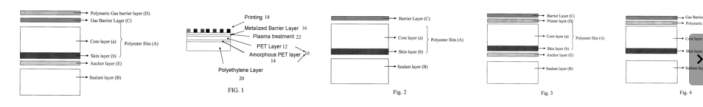
Original Assignee Toray Plastics (America), Inc., Anagram International, Inc.

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Patent Citations (1), Referenced by (23), Classifications (39), Legal Events (6)

External Links: USPTO, USPTO Assignment, Espacenet

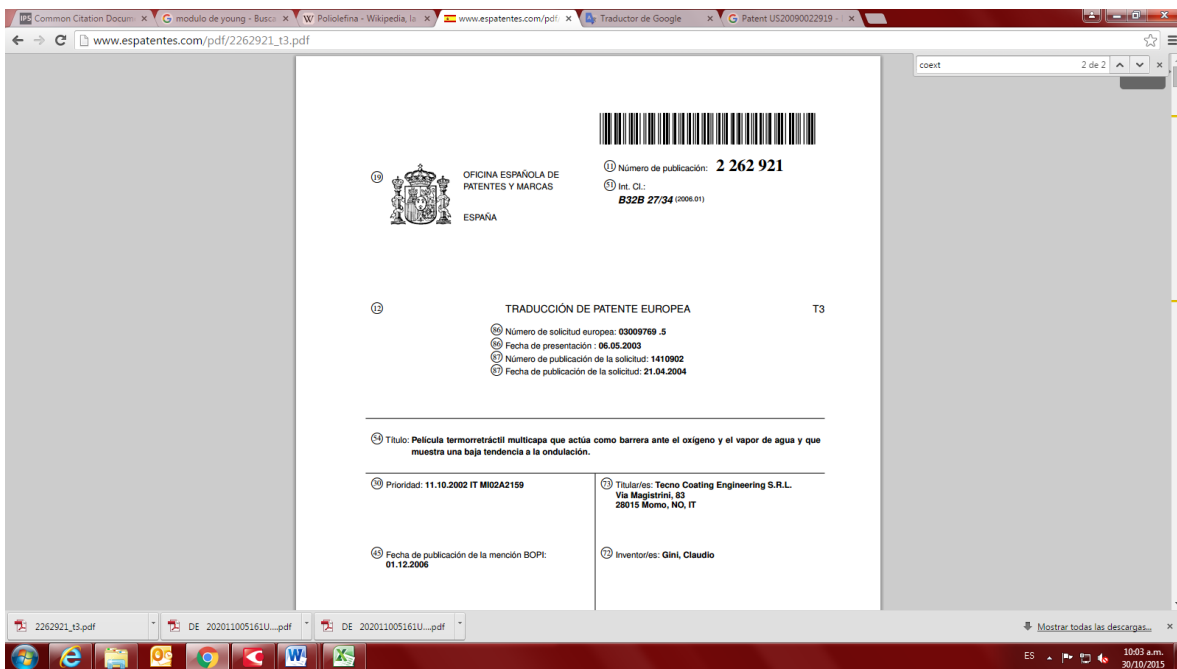
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DESCRIPTION CLAIMS (36)

2262921_t3.pdf DE 202011005161U...pdf DE 202011005161U...pdf

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← → ↻ www.google.com/patents/US20090022919

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Lighter than air balloon made from a biaxially oriented polyester film

US 20090022919 A1

RESUMEN

A long life balloon formed from a lamination. The lamination includes a polyester film with a total thickness of 4 µm to 12 µm. The polyester film includes a biaxially oriented polyester core layer and at least one amorphous copolyester skin layer. The lamination also includes a sealant layer and a gas barrier layer on an opposite side of the polyester film from the sealant layer. The oxygen transmission rate of the balloon is less than 0.1 cc/100 sqin/day, a bonding strength of the gas barrier layer to the surface of the polyester film is more than 300 g/in at dry conditions, a sealing strength of the balloon is more than 3.5 kg/in, and a floating time of the balloon is more than 20 days.

Número de publicación	US20090022919 A1
Tipo de publicación	Solicitud
Número de solicitud	US 12/202,655
Fecha de publicación	22 Ene 2009
Fecha de presentación	2 Sep 2008
Fecha de prioridad	7 Jun 2006
También publicado como	US8236399, US8323759, US8399080, US20110287199, US20110287200
Inventores	Gianfranco Chicarella, 7 más »
Cesionario original	Toray Plastics (America), Inc., Anagram International, Inc.
Exportar cita	BiBTeX, EndNote, RefMan
Citas de patentes (1), Citada por (23), Clasificaciones (39), Eventos legales (6)	
Enlaces externos: USPTO, Cesión de USPTO, Espacenet	

IMÁGENES (6)

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Balloon composed of two multilayered superimposed sheets

US 6435935 B1

RESUMEN

A balloon which has first and second multilayered sheets superimposed together and melt-bonded at a peripheral portion thereof; on the outer surface of the first multilayered sheet, is formed a film being acceptable for ink supplied from a printer, so that a design can be arbitrarily printed with the aid of a printer used at home, i.e. ink jet type printer. A balloon is arranged such that the first multilayered sheet is lighter than the second multilayered sheet by a weight equivalent to that of the film formed on the first multilayered sheet, so that the balloon can keep its posture when Helium gas is injected therein.

Número de publicación US6435935 B1
Tipo de publicación Concesión
Número de solicitud US 09/679,568
Fecha de publicación 20 Ago 2002
Fecha de presentación 5 Oct 2000
Fecha de prioridad 15 Ago 2000
Tarifa ? Caducada

Inventores [Kunio Komaba](#)

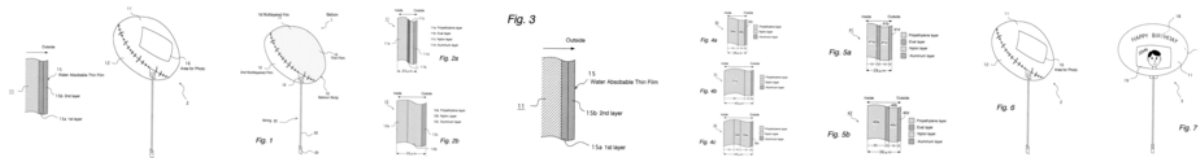
Cesionario original [Kunio Komaba](#)

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[Citas de patentes](#) (10), [Citada por](#) (18), [Clasificaciones](#) (10), [Eventos legales](#) (3)

Enlaces externos: [USPTO](#), [Cesión de USPTO](#), [Espacenet](#)

IMÁGENES (8)



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IPS Common Citas x Patente US64 x Traductor de x Patente US20 x Espacenet - B x Patente US20 x Edwin Yovani

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Non-latex laminated balloons containing pigment and related methods

US 20110123785 A1

RESUMEN

A laminated balloon and methods of making same. The laminated balloons can be two-ply or three-ply. The laminated balloons have a color imbedded in them through the use of pigments in the plies and the adhesives used to create the laminated balloons. Other materials, such as glitter and crushed mica, can be added to the plies and the adhesive to add visual effects to the balloons.

IMÁGENES (3)

Número de publicación US20110123785 A1
 Tipo de publicación Solicitud
 Número de solicitud US 12/950,705
 Fecha de publicación 26 May 2011
 Fecha de presentación 19 Nov 2010
 Fecha de prioridad 20 Nov 2009

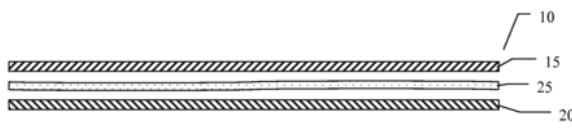
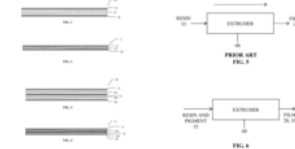
Inventores Arturo Verdusco Garcia, Andres Avelino Guzman Orozco

Cesionario original Arturo Verdusco Garcia, Andres Avelino Guzman Orozco

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Citas de patentes (3), Citada por (2), Clasificaciones (37), Eventos legales (1)

Enlaces externos: USPTO, Cesión de USPTO, Espacenet

RECLAMACIONES (20)

<http://worldwide.espacenet.com/publicationDetails/biblio?CC=US&NR=2011123785A1&KC=A1&FT=D>

Espacenet - Bibliographic x 2009022919-Abst-es x Espacenet - Claims x 2009022919-Claims-es x Espacenet - Description x 2009022919-Des-es

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US2009022919 (A1)

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Description

Claims

Mosaics

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INPADOC patent family

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Bibliographic data: US2009022919 (A1) — 2009-01-22

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LIGHTER THAN AIR BALLOON MADE FROM A BIAXIALLY ORIENTED POLYESTER FILM

Page bookmark US2009022919 (A1) - LIGHTER THAN AIR BALLOON MADE FROM A BIAXIALLY ORIENTED POLYESTER FILM

Inventor(s): CHICARELLA GIANFRANCO [US]; YOKOTA NAO [US]; PAQUILLI TRACY A [US]; FITCH JOHN J [US]; SARGENT TODD R [US]; BORCHARDT DEAN [US]; ANSOLABEHRE PAUL A [US]; SARGENT STEVEN [US] ±

Applicant(s): TORAY PLASTICS AMERICA INC [US]; ANAGRAM INT INC [US] ±

Classification: - international: B32B1/00 - cooperative: A63H27/10; B32B27/08; B32B27/32; B32B27/36; C23C14/02; C23C14/20; A63H2027/02; B32B2255/10; B32B2255/20; B32B2255/22; B32B2307/01; B32B2307/40; B32B2307/51; B32B2307/52; B32B2307/54; B32B2307/56; B32B2307/58; B32B2307/60; B32B2307/62; B32B2307/64; B32B2307/66; B32B2307/68; B32B2307/70; B32B2307/72; B32B2307/74; B32B2307/76; B32B2307/78; B32B2307/80; B32B2307/82; B32B2307/84; B32B2307/86; B32B2307/88; B32B2307/90; B32B2307/92; B32B2307/94; B32B2307/96; B32B2307/98; B32B2308/00; B32B2308/02; B32B2308/04; B32B2308/06; B32B2308/08; B32B2308/10; B32B2308/12; B32B2308/14; B32B2308/16; B32B2308/18; B32B2308/20; B32B2308/22; B32B2308/24; B32B2308/26; B32B2308/28; B32B2308/30; B32B2308/32; B32B2308/34; B32B2308/36; B32B2308/38; B32B2308/40; B32B2308/42; B32B2308/44; B32B2308/46; B32B2308/48; B32B2308/50; B32B2308/52; B32B2308/54; B32B2308/56; B32B2308/58; B32B2308/60; B32B2308/62; B32B2308/64; B32B2308/66; B32B2308/68; B32B2308/70; B32B2308/72; 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