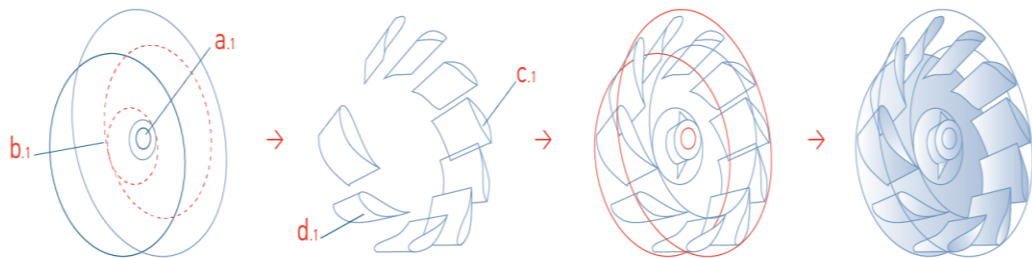


> Iniciativa Regional de

PATENTES TECNOLÓGICAS PARA EL DESARROLLO

Cómo conceptualizar
tecnologías patentables

ESTRATEGIA RECOMENDADA PARA DESARROLLAR SOLICITUDES DE PATENTES



Estrategia recomendada para desarrollar solicitudes de patentes

Como recomendación general, solicite patentes para tener una protección en un mercado de mínimo mil millones de personas, como por ejemplo:

- ✓ En Estados Unidos (333 millones), México (120 millones) y la Comunidad Europea (570 millones). Total dos solicitudes de patentes (USPTO y PCT)

Estrategia recomendada para desarrollar solicitudes de patentes

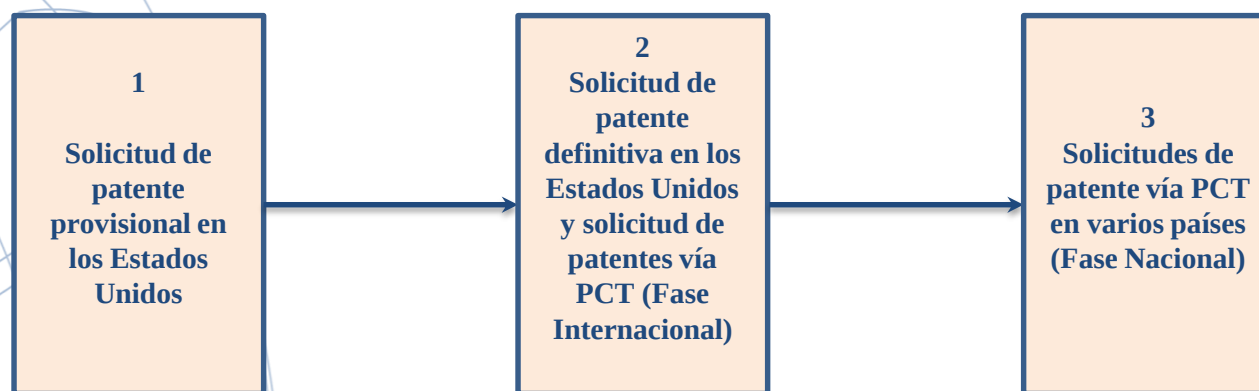
Como se puede notar en la página anterior, siempre es recomendable primero aplicar en los Estados Unidos por varias razones, principalmente:

- ✓ Porque es un gran mercado (333 millones) con una comunidad grande de inversionistas;
- ✓ Porque las solicitudes de patentes en Estados Unidos se convierten a patentes (cuando son concedidas) en aproximadamente dos años. La mayoría de los otros países donde conviene patentar tardan de 3 a 6 años en conceder una patente. Tener una patente concedida incrementa las posibilidades de inversión en la tecnología;
- ✓ Porque Estados Unidos es uno de los pocos países en que se pueden solicitar patentes provisionales*, permitiendo establecer una fecha prioritaria 12 meses antes de someter una patente definitiva.

* Una solicitud de patente provisional es una solicitud de patente muy simple que incluye solamente una descripción de la invención. Una solicitud de patente nonprovisional es la solicitud de patente completa que incluye dibujos, y reivindicaciones..

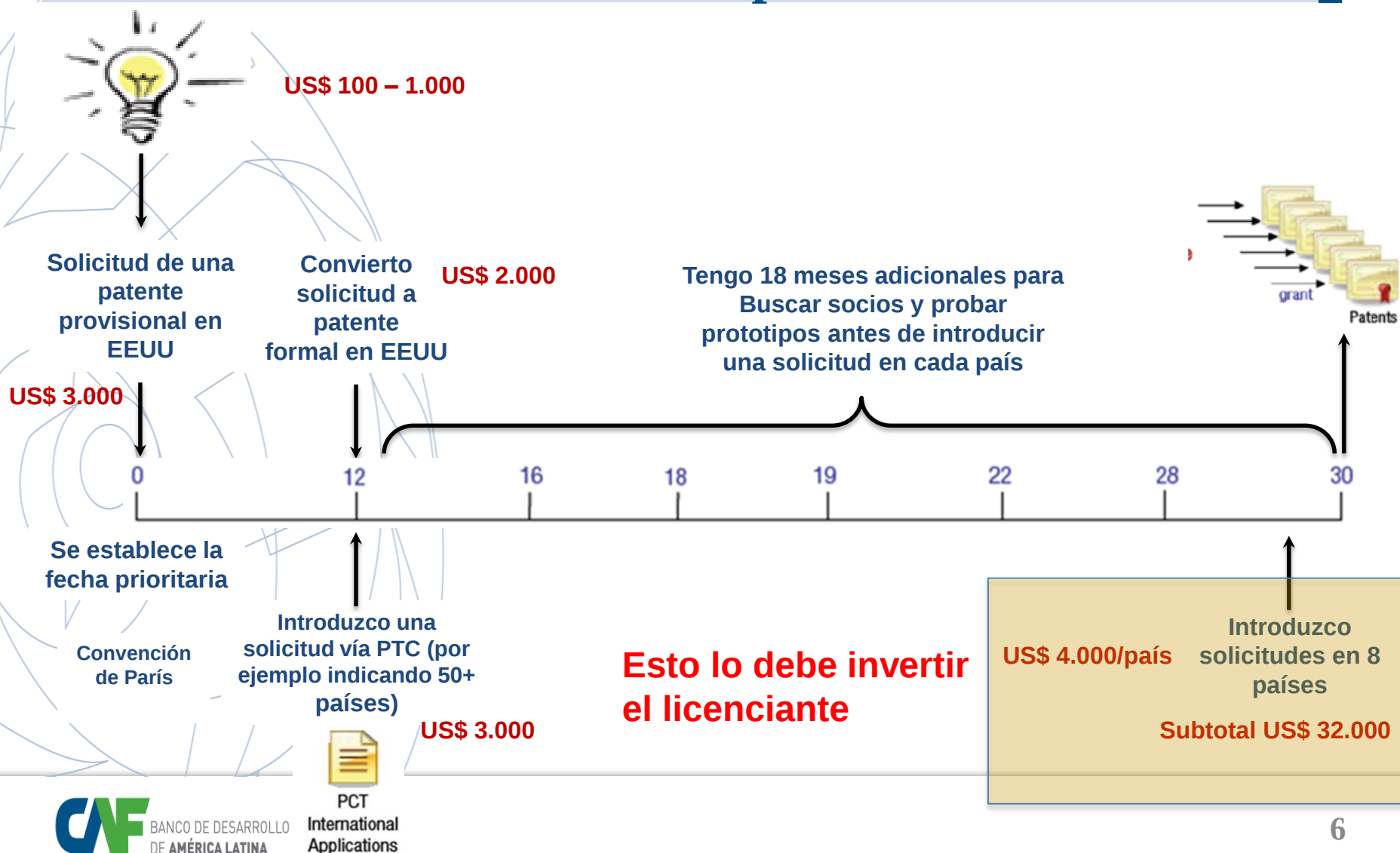
Fuente: <http://inventors.about.com/od/hablahispana/a/Patentes.htm>

Estrategia recomendada para desarrollar solicitudes de patentes

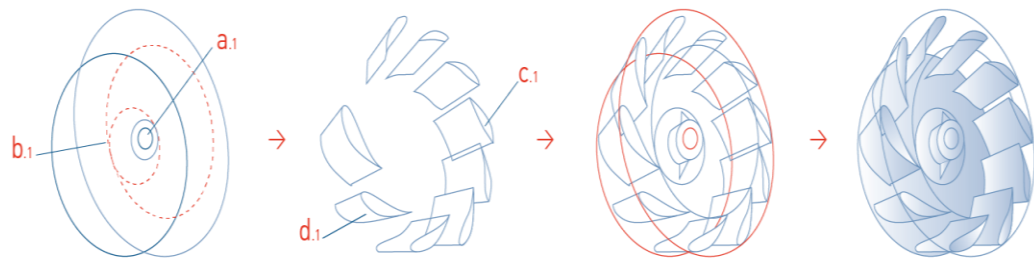


Un ejemplo de un proceso de solicitud de patentes, cronograma y costos aproximados para nueve (9) países incluyendo Estados Unidos se resumen en el gráfico de la página siguiente.

Estrategia recomendada para desarrollar solicitudes de patentes



CÓMO CONCEPTUALIZAR TECNOLOGÍAS PATENTABLES



Cómo conceptualizar tecnologías patentables

Para patentar, solo se necesita cumplir con cuatro condiciones...

1. Que la tecnología o producto conceptualizado sea **nuevo**
2. Que sea **útil**
3. Que sea **legal**
4. y que sea **no obvio**

Cómo conceptualizar tecnologías patentables

Para conceptualizar tecnologías patentables se recomienda seguir los siguientes pasos:

1. Tener una clara visión y entendimiento del problema a resolver;
2. Tener conocimiento del entorno (ambiente) donde la tecnología a conceptualizar va a funcionar;
3. Determinar si la tecnología tendría mercado;
4. Hacer un dibujo de la tecnología, un “**concepto**” (a mano, PowerPoint, o equivalente)
5. Realizar una búsqueda del estado de la técnica o “arte previo” (ver siguiente sección)

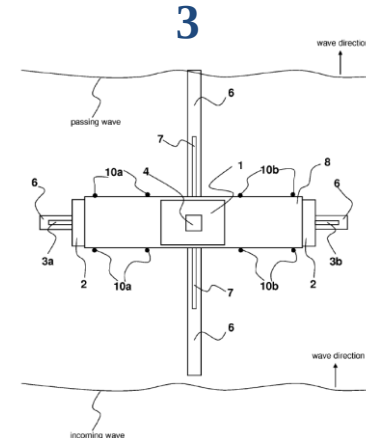
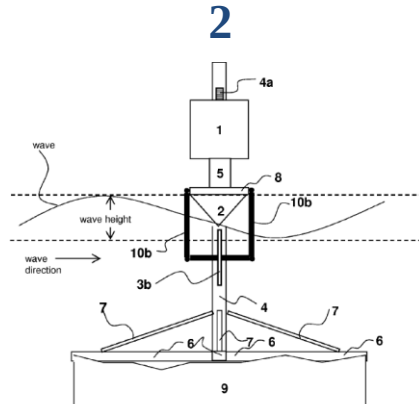
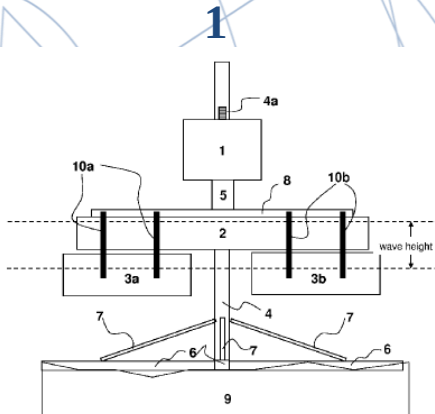
Cómo conceptualizar tecnologías patentables

Para conceptualizar tecnologías patentables se recomienda seguir los siguientes pasos (continuación):

6. Comparar el dibujo anterior con las gráficas y/o dibujos encontrados durante la búsqueda de arte previo
7. De parecerse el dibujo o la tecnología “conceptualizada” a cualquier dibujo o gráfico contenido en el arte previo, revisar si el uso que se le da a la tecnología parecida en el arte previo es el mismo uso que usted le quiere dar a la tecnología que está conceptualizando;
8. Si el uso es el mismo, modifique algunos aspectos clave de la tecnología conceptualizada o, preferiblemente, desarrolle un concepto tecnológico nuevo y diferente;
9. Repita los pasos 3 a 6 hasta que no encuentre algo similar en el estado de la técnica o “arte previo”.

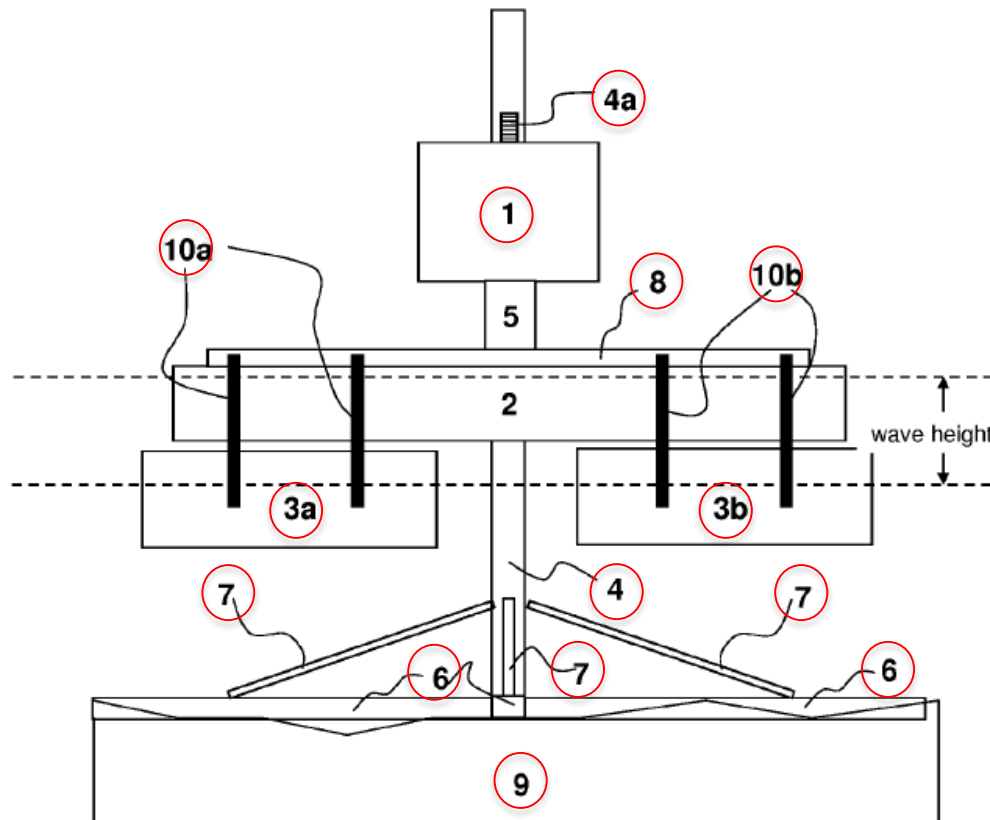
Cómo conceptualizar tecnologías patentables

10. Una vez encontrado un concepto que no se repite en el estado de la técnica o “arte previo”, desarrolle varios dibujos o gráficos desde varios ángulos pero principalmente vista frontal (1), vista de lado (2), vista aérea (3);



Cómo conceptualizar tecnologías patentables

11. Señale y enumere en las figuras cada aspecto de la tecnología que será explicada por escrito:



Cómo conceptualizar tecnologías patentables

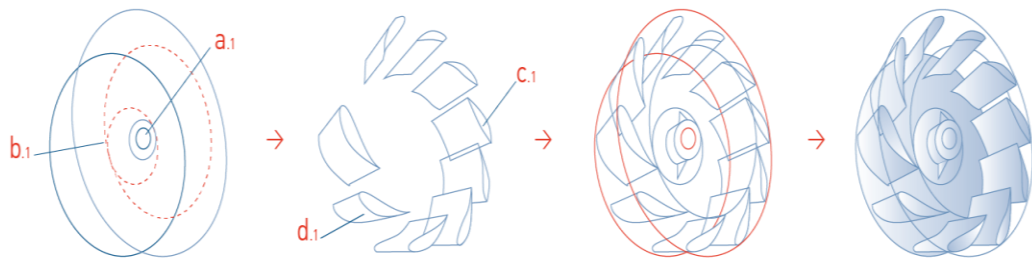
11. Desarrolle las diferentes secciones de una patente:

- a. Campo de Invención
- b. Antecedentes de la Invención
- c. Resumen de la Invención
- d. Breve descripción de los dibujos y figuras
- e. Descripción detallada de la invención
- f. La sección de reivindicaciones (claims) debe ser escrita por un abogado/agente de patentes

Ver la patente utilizada para el ejemplo en:

<https://docs.google.com/viewer?url=patentimages.storage.googleapis.com/pdfs/US8253263.pdf>

MÉTODO PRÁCTICO DE BÚSQUEDA DEL ESTADO DE LA TÉCNICA (ARTE PREVIO) PARA LA CONCEPTUALIZACIÓN DE TECNOLOGÍAS PATENTABLES



Búsqueda del Estado de la Técnica (arte previo)

Conceptualizar una tecnología, especialmente aparatos, máquinas y objetos útiles, no es un ejercicio tan complicado

Lo complicado en el proceso de patentamiento de una tecnología es determinar si la tecnología conceptualizada existe.

La búsqueda del “estado del arte” (Arte Previo) de una tecnología conceptualizada es quizás en el ejercicio más tedioso y consumidor de tiempo en el proceso de desarrollo de patentes, pero es uno de los más importantes para patentar una tecnología

Un método práctico de búsqueda del “estado de la técnica” (arte previo)

- 1) Buscar una patente estadounidense que haya sido otorgada recientemente, cuya tecnología sea parecida;
- 2) Identificar la clase (US Class) y los documentos citados por el examinador;
- 3) Proceder al portal de la USPTO;
- 4) Buscar por clase;
- 5) Identificar las aplicaciones de patentes; y
- 6) Identificar las patentes otorgadas.

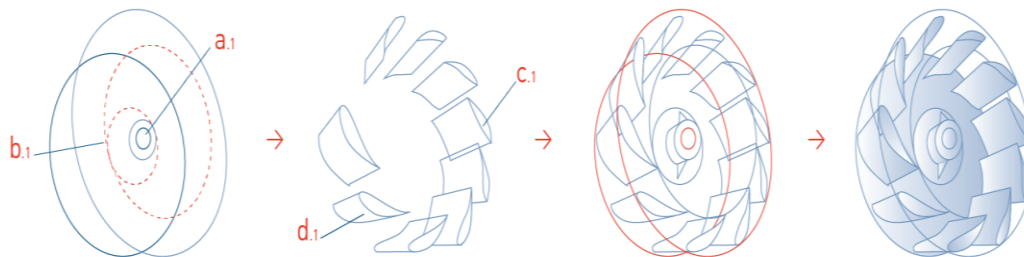
Google
Español

Buscar patentes

Buscar

Buscar con Google

Me siento con suerte





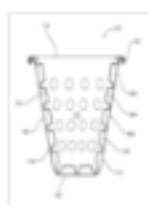
AIR-POCKET INSULATED DISPOSABLE CUP



Todos Imágenes Shopping Videos Más - Herramientas de búsqueda

Cerca de 2,510 resultados (0.39 segundos)

Air-pocket insulated disposable plastic cup



www.google.com/patents/US20100108695 - Traducir esta página

Solicitud - Presentada el 4 Nov. 2009 - Publicada el 6 Mayo 2010 -

Qiuchen Peter Zhang - The Coca-Cola Company

Air-pocket insulated disposable plastic cup. US 20100108695 A1.

Abstract. An **air pocket insulated** double-walled **disposable** plastic container ...

[Descripción general](#) - [Información relacionada](#) - [Debatir](#)

Air pocket insulated disposable plastic cup



www.google.com/.../WO2011056398A1 - Traducir esta página

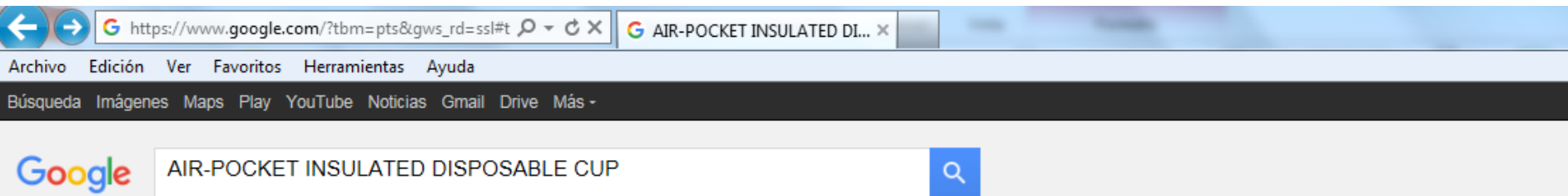
Solicitud - Presentada el 18 Oct. 2010 - Publicada el 12 Mayo 2011 -

Qiuchen Peter Zhang - The Coca-Cola Company

Air pocket insulated disposable plastic cup. WO 2011056398 A1.

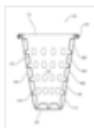
Abstract. An **air pocket insulated** double -walled **disposable** plastic container ...

[Descripción general](#) - [Información relacionada](#) - [Debatir](#)



Buscar en la Web ▾ De cualquier fecha ▾ Cualquier oficina de patentes ▾ Cualquier estado de presentación ▾ Cualquier tipo de patente ▾ Ordenar por relevancia ▾

Air-pocket insulated disposable plastic cup



www.google.com/patents/US20100108695 - Traducir esta página

Solicitud - Presentada el 4 Nov. 2009 - Publicada el 6 Mayo 2010 -

Qiuchen Peter Zhang - The Coca-Cola Company

Air-pocket insulated disposable plastic cup. US 20100108695 A1.

Abstract. An air pocket insulated double-walled disposable plastic container ...

[Descripción general](#) - [Información relacionada](#) - [Debatir](#)

✓ Cualquier estado de presentación

Solicitudes

Patentes emitidas

Air pocket insulated disposable plastic cup



www.google.com/.../WO2011056398A1... - Traducir esta página

Solicitud - Presentada el 18 Oct. 2010 - Publicada el 12 Mayo 2011 -

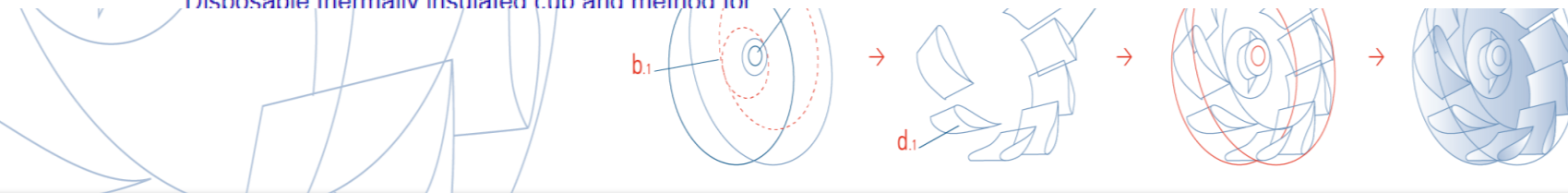
Qiuchen Peter Zhang - The Coca-Cola Company

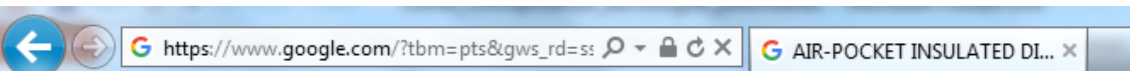
Air pocket insulated disposable plastic cup. WO 2011056398 A1.

Abstract. An air pocket insulated double-walled disposable plastic container ...

[Descripción general](#) - [Información relacionada](#) - [Debatir](#)

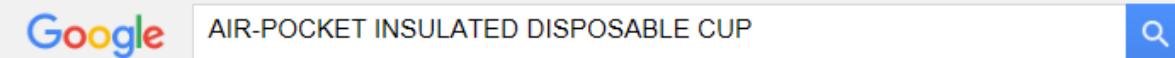
Disposable thermally insulated cup and method for





Archivo Edición Ver Favoritos Herramientas Ayuda

Búsqueda Imágenes Maps Play YouTube Noticias Gmail Drive Más -



Todos Imágenes Shopping Videos Más Herramientas de búsqueda

Buscar en la Web De cualquier fecha Cualquier oficina de patentes Patentes emitidas Cualquier tipo de patente Fecha de presentación: más reciente

Supplemental window for fenestration



www.google.com/patents/US9234381 - Traducir esta página

Otorgada - Presentada el 26 Jun. 2014 - Emitido el 12 Ene. 2016 - Ronald Myron Wexler - WexEnergy LLC

The attachment mechanism can be a suction **cup** or adhesive for example. ... With window films intended for creating an additional "dead **air**"

insulating layer Sep 22, 1987, Warmwipes, Inc. Warming device for **disposable** towel dispenser ... Cohn Arnold K, Dual-use holder for **pocket**-sized electronic appliance or the like.

[Descripción general](#) - [Información relacionada](#) - [Debatir](#)

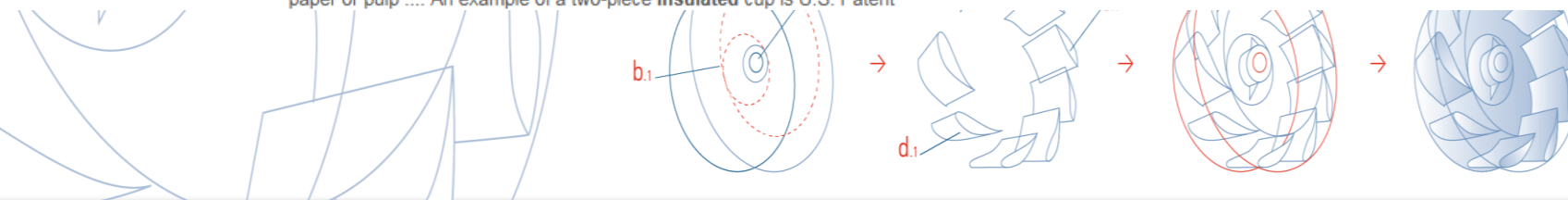
Two-part recyclable cup



www.google.com/patents/US8701914 - Traducir esta página

Otorgada - Presentada el 15 Feb. 2013 - Emitido el 22 Abr. 2014 - Ronald Mark Buck - Ronald Mark Buck

A **paper cup** or shell with a thin removable liner that is not laminated to the cup or ... **air pocket** gaps between the thin removable aluminum liner and paper or pulp An example of a two-piece **insulated** cup is U.S. Patent



Patents

View sample ▾

Write review

Find prior art

Discuss this patent

View PDF

Download PDF

Two-part recyclable cup

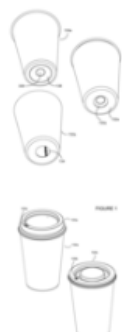
US 8701914 B1

ABSTRACT

A paper cup or shell with a thin removable liner that is not laminated to the cup or shell such that the liner may be easily disengaged, removed, or separated from the cup or shell prior to disposal or the recycling process. The thin removable or detachable liner is preferably made from aluminum, aluminum alloy, or aluminum foil, as opposed to other recyclable materials. Aluminum is the preferred material for the liner due to the fact that aluminum is infinitely recyclable and can be used over and over again to make recycled aluminum products or recycled detachable cup liners.

Publication number	US8701914 B1
Publication type	Grant
Application number	US 13/767,883
Publication date	Apr 22, 2014
Filing date	Feb 15, 2013
Priority date ?	Feb 15, 2013
Inventors	Ronald Mark Buck
Original Assignee	Ronald Mark Buck
Export Citation	BiBTeX , EndNote , RefMan
Patent Citations (17), Referenced by (4), Classifications (7), Legal Events (4)	
External Links: USPTO , USPTO Assignment , Espacenet	

IMAGES (13)





US008701914B1

(12) **United States Patent
Buck**

(10) **Patent No.:** **US 8,701,914 B1**
(45) **Date of Patent:** **Apr. 22, 2014**

(54) **TWO-PART RECYCLABLE CUP**

(71) Applicant: **Ronald Mark Buck**, Encinitas, CA (US)

(72) Inventor: **Ronald Mark Buck**, Encinitas, CA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **13/767,883**

(22) Filed: **Feb. 15, 2013**

(51) **Int. Cl.**
B65D 3/22 (2006.01)

(52) **U.S. Cl.**
USPC **220/23.87; 229/403**

(58) **Field of Classification Search**

6,109,518	A *	8/2000	Mueller et al.	229/403
6,652,435	B1 *	11/2003	Sand	493/84
7,699,216	B2 *	4/2010	Smith et al.	229/403
2002/0125262	A1 *	9/2002	Canfield	220/739
2005/0103794	A1 *	5/2005	Liu	220/703
2006/0091143	A1 *	5/2006	Chantalat	220/737
2010/0038273	A1 *	2/2010	Johnson	206/459.5
2010/0108703	A1 *	5/2010	French	220/737
2010/0187247	A1 *	7/2010	Ziegler	220/783
2010/0320213	A1 *	12/2010	Kelly et al.	220/592.2
2012/0165170	A1	6/2012	Wischusen, III	

* cited by examiner

Primary Examiner — Steven A. Reynolds

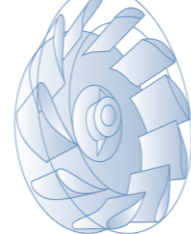
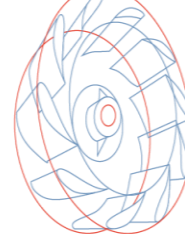
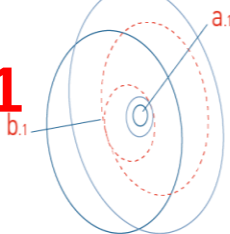
Assistant Examiner — King M Chu

(74) *Attorney, Agent, or Firm* — ARC IP Law, PC; Joseph J. Mayo

(57) **ABSTRACT**

A paper cup or shell with a thin removable liner that is not

PASO 1





UNITED STATES
PATENT AND TRADEMARK OFFICE

About Us Careers Contact Us

Search uspto.gov



PASO 2

Patents

Trademarks

IP Policy

Learning and Resources

Quick Links

First time here? Let us help you find your bearings.

Has your invention already been patented at the USPTO?

New to Trademarks?

Basic facts about trademarks

Learn how a federal trademark registration can help you protect your rights to a brand name or logo, and how federal trademark registration will enhance your rights.

Get Started



Learn About the Process

Patents

? General Information Concerning Patents

Find out if a utility, design, or plant patent is right for you

Trademarks

TM Trademark Basics

Learn about trademarks and find out if it's right for you to apply for registration

Fees and Payment

Fees and Payment

Pay fees and learn more about filing fees and other payments.

Patents & Trademarks Initiatives



UNITED STATES
PATENT AND TRADEMARK OFFICE

About Us | Careers | Contact Us

Search uspto.gov



Patents

Trademarks

IP Policy

Learning and Resources

Quick Links

Getting Started

- Patent Basics
- Process Overview
- Using Legal Services
- Inventor Resources
- International Cooperation
- Patent FAQs

Application Process

- Patent Search (Search for Patents)
- **Learn about Patent Classification**
- Filing Online
- Checking application status
- Responding to Office actions
- Patent Trial and Appeal Board
- Petitions

Maintaining a Patent

- Maintenance fees
- Correcting your Patent
- Transferring Ownership
- Ordering certified documents
- Patent Litigation

Tools & Links

About EFS-Web

File a patent application online with EFS-web

Fees and Payment

Pay maintenance fees and learn more about filing fees and other payments

Global Dossier

View international patent filings

More Tools & Links

Check Application Status (PAIR)

Check patent application status with public PAIR and private PAIR

Patent Trial & Appeal Board

Resolve disputes regarding patents with PTAB

PASO 3

Learn About the Process

Patents

- **General Information Concerning Patents**
Find out if a utility, design, or plant patent is right for you

Trademarks

- **Trademark Basics**
Learn about trademarks and find out if it's right for you to apply for registration

Patent Process Overview

Trademark Process

Fees and Payment

Fees and Payment

Pay fees and learn more about filing fees and other payments.

Patents & Trademarks Initiatives

Enhanced Patent Quality Initiative

Learn about USPTO efforts to increase patent quality.

http://www.uspto.gov/patents-application-process/patent-search/classification-standards-and-develop...
...view of a trademark application and maintenance process



 Helpful 22[← Services & Publications](#)[Open Data & Mobility](#)[Federal Register Notices](#)[Official Gazette](#)[Support Centers](#)[XML Resources](#)[More Patent and Trademark Services](#)[Classification](#)[Statistics](#)

We want your input! 

Please contact [Claudine Deslauriers](#)  with your feedback and ideas on this webpage.

Classification Standards and Development

NOTE: If you do not need to read information about searching, go directly to the search system [here](#).

Organization and Staff

Classification Standards and Development maintains the patent classification systems.

- [Classification Divisions and Contact Numbers](#)

Cooperative Patent Classification (CPC)

The Cooperative Patent Classification (CPC) effort is a joint partnership between the United States Patent and Trademark Office (USPTO) and the European Patent Office (EPO) where the Offices have agreed to harmonize their existing classification systems (European Classification (ECLA) and United States Patent Classification (USPC) respectively) and migrate towards a common classification scheme.

I don't know anything about CPC. Where do I start?

- Use the USPTO and EPO bi-lateral [Cooperative Patent Classification \(CPC\)](#)  informational site on WWW
- Start [browsing the CPC scheme](#) on [www.uspto.gov](#)

I know a USPC classification and I want to find a relevant CPC. What do I do?

- Use [the Classification Search Page](#) to look up a Statistical Mapping from USPC to CPC.

uspto.GOV

The United States Patent and Trademark Office
an agency of the Department of Commerce

search for patents | search for trademarks

Search our site



PATENTS | TRADEMARKS | IP LAW & POLICY | PRODUCTS & SERVICES | INVENTORS | NEWS & NOTICES | FAQs | ABOUT US

[Patent Classification Home](#) » [Classification Search](#)

Main CPC Sections USPC Class Numbers & Titles **USPC Class Numbers** Classification Search Page Contacts Help

Access Classification Information by Symbol

PASO 5

Select Classification
System:

☒ CPC ☐ USPC

Enter Classification symbol:

e.g., B02C or D06P 1/5264

Select output format:

☒ HTML ☐ PDF

Select Content:

Scheme
Definitions

Submit

Clear

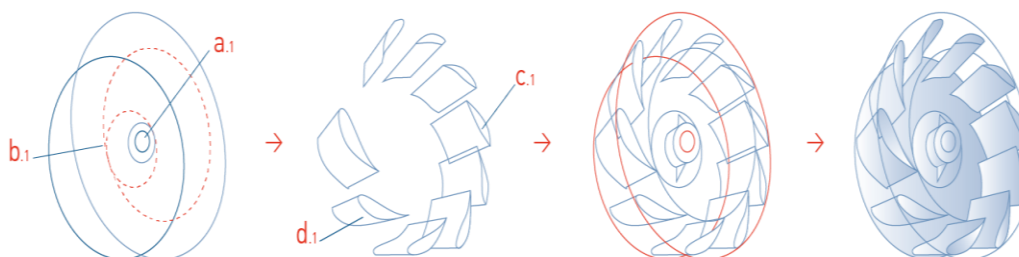
1. Select what you want...

- ☒ Class Schedule (HTML)
- ☐ Class Definition (HTML)
- ☐ US-to-IPC8 Concordance (HTML)
- ☐ US-to-Locarno Concordance
- ☐ Class Schedule (PDF)
- ☐ Class Definition (PDF)
- ☐ US-to-IPC8 Concordance (PDF)

2. Select a class.

002	004	005	007	008	012	014	015	016	019	023	024	026	027	028	029	030	033	034	036	037	038	040	042	043	044	047	048	049	051	052	053	054	055	056	057	059	060	062
063	065	066	068	069	070	071	072	073	074	075	076	079	081	082	083	084	086	087	089	091	092	095	096	099	100	101	102	104	105	106	108	109	110	111	112	114	116	117
118	119	122	123	124	125	126	127	128	131	132	134	135	136	137	138	139	140	141	142	144	147	148	149	150	152	156	157	159	160	162	163	164	165	166	168	169	171	172
173	174	175	177	178	180	181	182	184	185	186	187	188	190	191	192	193	194	196	198	199	200	201	202	203	204	205	206	208	209	210	211	212	213	215	216	217	218	219
220	221	222	223	224	225	226	227	228	229	231	232	234	235	236	237	238	239	241	242	244	245	246	248	249	250	251	252	254	256	257	258	260	261	264	266	267	269	270
271	273	276	277	278	279	280	281	283	285	289	290	291	292	293	294	295	296	297	298	299	300	301	303	305	307	310	312	313	314	315	318	320	322	323	324	326	327	329
330	331	332	333	334	335	336	337	338	340	341	342	343	345	346	347	348	349	351	352	353	355	356	358	359	360	361	362	363	365	366	367	368	369	370	372	373	374	375
376	377	378	379	380	381	382	383	384	385	386	388	392	396	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	422	423
424	425	426	427	428	429	430	431	432	433	434	435	436	438	439	440	441	442	445	446	449	450	451	452	453	454	455	460	462	463	464	470	472	473	474	475	476	477	482
483	492	493	494	501	502	503	504	505	506	507	508	510	512	514	516	518	520	521	522	523	524	525	526	527	528	530	532	534	536	540	544	546	548	549	552	554	556	558
560	562	564	568	570	585	588	600	601	602	604	606	607	623	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	725	726	800	850
901	902	903	930	968	976	977	984	987	D01	D02	D03	D04	D05	D06	D07	D08	D09	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	D20	D21	D22	D23	D24	D25	D26	D27	D28	D29	
D30	D32	D34	D99	G9B	PLT																																	

PASO 6



Class 220 RECEPTACLES

Click here for a printable version of this file

Turn Outline

Select Largest Indent Level to be Displayed Select Expansion Level:

☐	☐	560	FLOATING CONTAINER
-	☐	560.01	PUNCTURE OR FIRE RESISTANT CONTAINER
☐	☐	560.02	• Container made of puncture healing material
☐	☐	560.03	INCLUDING MEANS FOR LIMITING THE DISCHARGE OR SPREAD OF CONTENTS THROUGH AN UNLIMITED OPENING IN THE CONTAINER ST
-	☐	560.04	FOR CRYOGENIC CONTENT (E.G., LIQUEFIED GAS)
-	☐	560.05	• Including means for withstanding or dissipating thermally induced stress (e.g., expansion joint)
☐	☐	560.06	•• Expansible pleat, fold, corrugation, etc.
☐	☐	560.07	•• For use with a transport vehicle (e.g., cargo ship, airplane, space vehicle)
☐	☐	560.08	• Membrane-type container
☐	☐	560.09	• Spherical or oblate container
☐	☐	560.1	• Spaced, self-sustaining, inner and outer containers
☐	☐	560.11	• Combined with, or modified for shipment in, a transport vehicle (e.g., cargo ship, airplane, space vehicle)
-	☐	560.12	• Including thermal insulation
☐	☐	560.13	•• Including means for reflecting heat
☐	☐	560.14	•• Including means for facilitating the formation of an insulating layer from gas vapors emitted by the cryogenic content
☐	☐	560.15	•• Foam insulation
☐	☐	561	CONTAINER HAVING RECONDITIONED OR RECONDITIONABLE END WALL
-	☐	562	VEHICLE MOUNTABLE TANK
☐	☐	563	• With baffle
☐	☐	564	• Compartmented
-	☐	565	STATIONARY TANK
☐	☐	566	• Toroidal (i.e., doughnut shaped)
☐	☐	567	• Elevated (e.g., municipal water tank)
☐	☐	567.1	• Underground
☐	☐	567.2	• For petroleum or a petroleum product (e.g., oil, gasoline)

PASO 7



Archivo	Edición	Ver	Favoritos	Herramientas	Ayuda
-	A	P	485	WIRE CONTAINER	
-	A	P	486	• Compartmented	
-	A	P	487	• Dish holding (e.g., dish rack)	
	A	P	488	• Dishwasher rack	
	A	P	489	• Adjustable or contortable wall provides multiple configurations of use (i.e., alternative shapes)	
	A	P	490	• Spiral sidewall	
-	A	P	491	• Rigid wire bent to form portion of bottom wall and sidewall	
	A	P	492	• Blank	
	A	P	493	• Wall formed of flexible wire cloth (e.g., screen wire)	
-	A	P	494	• End wall structure	
	A	P	495	• Nonwire bottom (e.g., sheet metal, wood, plastic, etc.)	
-	A	P	495.01	RECEPTACLE HAVING FLEXIBLE, REMOVABLE INNER LINER	
	A	P	495.02	• Paint receptacle	
	A	P	495.03	• Receptacle for food or beverage	
	A	P	495.04	• Means for venting air trapped between the liner and its receptacle	
	A	P	495.05	• Liner interior accessible through an aperture in a receptacle wall or closure	
-	A	P	495.06	• Removable bag liner	
	A	P	495.07	• Plural bag liners for sequential use	
-	A	P	495.08	• Means for holding the bag liner open	
	A	P	495.09	• Means for simultaneously holding two or more bag liners open	
	A	P	495.1	• Holding means extends through preformed bag aperture	
	A	P	495.11	• Upper bag portion folded over top edge of its receptacle	
-	A	P	23.2	HORIZONTALLY ATTACHED RECEPTACLE SETS	
	A	P	23.4	• Detachable	
	A	P	23.6	• With stacking feature	
	A	P	23.8	• Integral	
-	A	P	23.83	ARRANGEMENTS OF PLURAL RECEPTACLES	
	A	P	23.86	• At least one combined or convertible	
	A	P	23.87	• Receptacle having rigid, removable inner container	
	A	P	23.88	• Plural inner containers	
	A	P	23.89	• Releaseable securing or stabilizing means for inner container	
	A	P	23.9	RECEPTACLE HAVING RIGID, REMOVABLE, NONRECEPTACLE INNER LINER	
	A	P	23.91	RECEPTACLE HAVING RIGID, REMOVABLE EXTERNAL JACKET OR CASING	
-	A	P	500	COMPARTMENTED CONTAINER	
	A	P	501	• Intercommunicable compartments	

PASO 8

-	A	P	485	WIRE CONTAINER
-	A	P	486	• Compartmented
-	A	P	487	• Dish holding (e.g., dish rack)
	A	P	488	• Dishwasher rack
	A	P	489	• Adjustable or contortable wall provides multiple configurations of use (i.e., alternative shapes)
	A	P	490	• Spiral sidewall
-	A	P	491	• Rigid wire bent to form portion of bottom wall and sidewall
	A	P	492	• Blank
	A	P	493	• Wall formed of flexible wire cloth (e.g., screen wire)
-	A	P	494	• End wall structure
	A	P	495	• Nonwire bottom (e.g., sheet metal, wood, plastic, etc.)
-	A	P	495.01	RECEPTACLE HAVING FLEXIBLE, REMOVABLE INNER LINER
	A	P	495.02	• Paint receptacle
	A	P	495.03	• Receptacle for food or beverage
	A	P	495.04	• Means for venting air trapped between the liner and its receptacle
	A	P	495.05	• Liner interior accessible through an aperture in a receptacle wall or closure
-	A	P	495.06	• Removable bag liner
	A	P	495.07	• Plural bag liners for sequential use
-	A	P	495.08	• Means for holding the bag liner open
	A	P	495.09	• Means for simultaneously holding two or more bag liners open
	A	P	495.1	• Holding means extends through preformed bag aperture
	A	P	495.11	• Upper bag portion folded over top edge of its receptacle
-	A	P	23.2	HORIZONTALLY ATTACHED RECEPTACLE SETS
	A	P	23.4	• Detachable
	A	P	23.6	• With stacking feature
	A	P	23.8	• Integral
-	A	P	23.83	ARRANGEMENTS OF PLURAL RECEPTACLES
	A	P	23.86	• At least one combined or convertible
	A	P	23.87	• Receptacle having rigid, removable inner container
	A	P	23.88	• Plural inner containers
	A	P	23.89	• Releaseable securing or stabilizing means for inner container
	A	P	23.9	RECEPTACLE HAVING RIGID, REMOVABLE, NONRECEPTACLE INNER LINER
	A	P	23.91	RECEPTACLE HAVING RIGID, REMOVABLE EXTERNAL JACKET OR CASING
-	A	P	500	COMPARTMENTED CONTAINER
	A	P	501	• Intercommunicable compartments

PASO 9

←

→

http://appft.uspto.gov/netacgi/nph-Parser?Sect

PreGrant Publication Datab...

ArchivoEdiciónVerFavoritosHerramientasAyuda

US PATENT & TRADEMARK OFFICE

PATENT APPLICATION FULL TEXT AND IMAGE DATABASE

Help

Home

Boolean

Manual

Number

PTDLs

Next List

Bottom

View Shopping Cart

Searching AppFT Database...

Results of Search in AppFT Database for:

CCL/"220"/23.87: 129 applications.

Hits 1 through 50 out of 129

Next 50 Hits

Jump To

Refine Search

CCL/"220"/23.87

PUB. APP. NO. Title

120160039571CONTAINER WITH REMOVABLE TRAY

220150274414SHIPPING CONTAINER AND INSERT

320150259126INSULATED APPARATUS FOR SHIPPING AND STORAGE AND PROCESS FOR FABRICATING THEREOF

420150230583DOUBLE SHELL POT FOR COSMETIC PRODUCT COMPRISING A MECHANICAL TENSIONING ELEMENT AND ASSEMBLY METHOD

520150099044Container

620150076146TRAY CONFIGURED FOR PACKAGING, PACKAGED PRODUCT ASSEMBLY, AND METHOD FOR PACKAGING A PRODUCT

720150069056CONTAINER SUPERIOR IN AIR-TIGHTNESS AND A METHOD OF KEEPING GAS MOLECULES OR VOLATILE COMPONENTS IN THE C

820140367296Resealable and Refillable Wipes Dispenser

920140339229Trash Can Adaptor

1020140246427SELF-SUPPORTING, FLEXIBLE ORGANIZERS

1120140166651DOUBLE WALLED BEVERAGE CONTAINER AND METHOD OF MAKING SAME

1220140154132Sterilization System and Components for Express Cycle Sterilization

1320140144910FOOD AND DRINK CONTAINER

Archivo	Edición	Ver	Favoritos	Herramientas	Ayuda
-			485	WIRE CONTAINER	
-			486	• Compartmented	
-			487	• Dish holding (e.g., dish rack)	
			488	• Dishwasher rack	
			489	• Adjustable or contortable wall provides multiple configurations of use (i.e., alternative shapes)	
			490	• Spiral sidewall	
-			491	• Rigid wire bent to form portion of bottom wall and sidewall	
			492	• Blank	
			493	• Wall formed of flexible wire cloth (e.g., screen wire)	
-			494	• End wall structure	
			495	• Nonwire bottom (e.g., sheet metal, wood, plastic, etc.)	
-			495.01	RECEPTACLE HAVING FLEXIBLE, REMOVABLE INNER LINER	
			495.02	• Paint receptacle	
			495.03	• Receptacle for food or beverage	
			495.04	• Means for venting air trapped between the liner and its receptacle	
			495.05	• Liner interior accessible through an aperture in a receptacle wall or closure	
-			495.06	• Removable bag liner	
			495.07	• Plural bag liners for sequential use	
-			495.08	• Means for holding the bag liner open	
			495.09	• Means for simultaneously holding two or more bag liners open	
			495.1	• Holding means extends through preformed bag aperture	
			495.11	• Upper bag portion folded over top edge of its receptacle	
-			23.2	HORIZONTALLY ATTACHED RECEPTACLE SETS	
			23.4	• Detachable	
			23.6	• With stacking feature	
			23.8	• Integral	
-			23.83	ARRANGEMENTS OF PLURAL RECEPTACLES	
			23.86	• At least one combined or convertible	
-			23.87	• Receptacle having rigid, removable inner container	
			23.88	• Plural inner containers	
			23.89	• Releaseable securing or stabilizing means for inner container	
			23.9	RECEPTACLE HAVING RIGID, REMOVABLE, NONRECEPTACLE INNER LINER	
			23.91	RECEPTACLE HAVING RIGID, REMOVABLE EXTERNAL JACKET OR CASING	
-			500	COMPARTMENTED CONTAINER	
			501	• Intercommunicable compartments	

PASO 11

USPTO PATENT FULL-TEXT AND IMAGE DATABASE

[Home](#)[Quick](#)[Advanced](#)[Pat Num](#)[Help](#)[Next List](#)[Bottom](#)[View Cart](#)

Searching US Patent Collection...

Results of Search in US Patent Collection db for:

CCL/"220/23.87": 765 patents.

Hits 1 through 50 out of 765

PASO 12

[Next 50 Hits](#)[Jump To](#)[Refine Search](#)

PAT. NO.

Title

- 1 [9.033.181](#) [T Combination baking pan and cooling rack](#)
- 2 [9.033.166](#) [T Double-chamber vessel for flowable substances](#)
- 3 [9.016.496](#) [T Subsurface system for the collection of refuse](#)
- 4 [8.998.020](#) [T Double container, inner container, and outer container](#)
- 5 [8.960.470](#) [T Nesting coolers](#)
- 6 [8.955.706](#) [T Vacuum-operated trash receptacle](#)
- 7 [8.944.274](#) [T Wastebasket for facilitating reuse of plastic shopping bags](#)
- 8 [8.919.590](#) [T Mixing bowl liner and lid](#)
- 9 [8.915.391](#) [T Drinkware rimming apparatus and method](#)
- 10 [8.915.371](#) [T Dual compartment dispenser](#)
- 11 [8.903.673](#) [T Centrally controlled modular motorized testing](#)
- 12 [8.899.438](#) [T Quick attaching chafing dish handle configured for safe chafing dish placement and removal and for nesting chafing dish storage](#)

← → http://patft.uspto.gov/netacgi/nph-Parser?Sect1 Patent Database Search Res... x

Archivo Edición Ver Favoritos Herramientas Ayuda

- 5 [8.960.470](#) [Nesting coolers](#)
- 6 [8.955.706](#) [Vacuum-operated trash receptacle](#)
- 7 [8.944.274](#) [Wastebasket for facilitating reuse of plastic shopping bags](#)
- 8 [8.919.590](#) [Mixing bowl liner and lid](#)
- 9 [8.915.391](#) [Drinkware rimming apparatus and method](#)
- 10 [8.915.371](#) [Dual compartment dispenser](#)
- 11 [8.903.673](#) [Centrally controlled modular motorized testing](#)
- 12 [8.899.438](#) [Quick attaching chafing dish handle configured for safe chafing dish placement and removal and for nesting ch:](#)
- 13 [8.893.890](#) [Refillable container](#)
- 14 [8.887.945](#) [Foldable container module](#)
- 15 [8.887.942](#) [Collapsible cup assembly with a container lid](#)
- 16 [8.881.900](#) [Instrument case](#)
- 17 [8.870.011](#) [Refillable container system and method for assembly](#)
- 18 [8.863.978](#) [Pallet container](#)
- 19 [8.863.972](#) [Transport and storage container for liquids](#)
- 20 [8.863.546](#) [Multicompartment cooler with enhanced features](#)
- 21 [8.839.741](#) [Litter box cleaning kit](#)
- 22 [8.839.553](#) [Bench and planter combination](#)
- 23 [8.820.757](#) [Universal paint tray cart](#)
- 24 [8.800.796](#) [Storage system](#)
- 25 [8.783.490](#) [Composite microwave and oven safe food container system](#)
- 26 [8.763.971](#) [Respiratory ventilator transport system](#)
- 27 [8.763.835](#) [Topping caddy](#)
- 28 [8.757.414](#) [Bin for collecting solid waste](#)
- 29 [8.701.914](#) [Two-part recyclable cup](#)
- 30 [8.684.218](#) [Multi-compartment, suction-capable vessel](#)
- 31 [8.672.170](#) [Deep refuse container](#)

PASO 13

USPTO PATENT FULL-TEXT AND IMAGE DATABASE



PASO 14

(29 of 765)

United States Patent
Buck

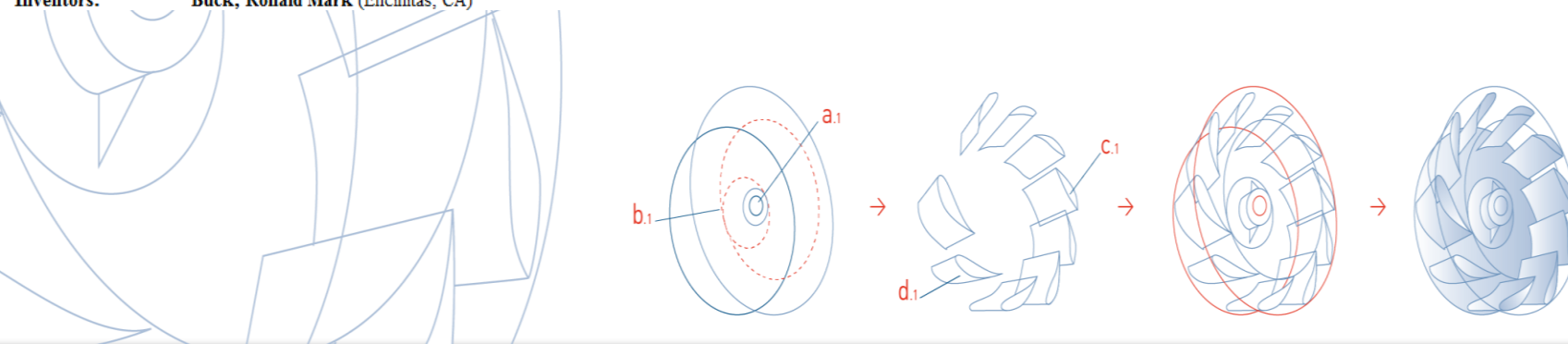
8,701,914
April 22, 2014

Two-part recyclable cup

Abstract

A paper cup or shell with a thin removable liner that is not laminated to the cup or shell such that the liner may be easily disengaged, removed, or separated from the cup or shell prior to disposal or the recycling process. The thin removable or detachable liner is preferably made from aluminum, aluminum alloy, or aluminum foil, as opposed to other recyclable materials. Aluminum is the preferred material for the liner due to the fact that aluminum is infinitely recyclable and can be used over and over again to make recycled aluminum products or recycled detachable cup liners.

Inventors: Buck; Ronald Mark (Encinitas, CA)



Patent #: US008701914 Section: Front Page 1 of 20 pages Help

Full Text
Help

Go to Page:
Go



- Sections:
- Front Page
 - Drawings
 - Specifications
 - Claims

Full Document:
Full Pages

PASO 15



US008701914B1

(12) **United States Patent**
Buck

(10) **Patent No.:** **US 8,701,914 B1**
(45) **Date of Patent:** **Apr. 22, 2014**

(54) **TWO-PART RECYCLABLE CUP**

(71) Applicant: **Ronald Mark Buck**, Encinitas, CA (US)

(72) Inventor: **Ronald Mark Buck**, Encinitas, CA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **13/767,883**

(22) Filed: **Feb. 15, 2013**

(51) **Int. Cl.**
B65D 3/22 (2006.01)

(52) **U.S. Cl.**

6,109,518	A *	8/2000	Mueller et al.	229/403
6,652,435	B1 *	11/2003	Sand	493/84
7,699,216	B2 *	4/2010	Smith et al.	229/403
2002/0125262	A1 *	9/2002	Canfield	220/739
2005/0103794	A1 *	5/2005	Liu	220/703
2006/0091143	A1 *	5/2006	Chantalat	220/737
2010/0038273	A1 *	2/2010	Johnson	206/459.5
2010/0108703	A1 *	5/2010	French	220/737
2010/0187247	A1 *	7/2010	Ziegler	220/783
2010/0320213	A1 *	12/2010	Kelly et al.	220/592.2
2012/0165170	A1	6/2012	Wischusen, III	

* cited by examiner

Primary Examiner — Steven A. Reynolds
Assistant Examiner — King M Chu

(74) *Attorney, Agent, or Firm* — ARC IP Law, PC; Joseph J. Mayo

Total de documentos de arte previo encontrados (en PDF)

US PATENT & TRADEMARK OFFICE PATENT APPLICATION FULL TEXT AND IMAGE DATABASE

[Help](#)[Home](#)[Boolean](#)[Manual](#)[Number](#)[PTDLs](#)[Next List](#)[Bottom](#)[View Shopping Cart](#)

Searching AppFT Database...

Results of Search in AppFT Database for:

CCL/"220"/23.87: 129 applications.

Hits 1 through 50 out of 129

Total: 129 aplicaciones

Searching US Patent Collection...

Results of Search in US Patent Collection db for:

CCL/"220/23.87": 765 patents.

Hits 1 through 50 out of 765

Total: 765 patentes

Con la práctica esta búsqueda se realiza en pocas horas