

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO	
RAD: 13-253803- -2	FECHA: 2015-04-14 16:35:11
DEP: 2020 DIRECCION DE NUEVAS CREACIONES	EVE: 378 FASE NACIONAL INCLUIDO CAPITULO I
TRA: 11 PCT-PATENTE DE INVENCION CAPITULOS I Y II	FOLIOS: 4
ACT: 430 REQUERSOLICITA	

DIRECCIÓN DE NUEVAS CREACIONES

2020
Bogotá, D.C.,

Abogado(a)/Señor(a)
HUMBERTO RUBIO CAMACHO

Asunto: Radicación: 13-253803- -2
Trámite: 11
Evento: 378
Actuación: 430
Oficio: 3766
Folios: 4

Patente de Invención	X			Patente de Modelo de Utilidad	
Vía Nacional					
Vía PCT (Fase Nacional)	X	Capítulo I	X	Capítulo II	
No. Solicitud Internacional	PCT/IB2012/052164				
Fecha de Presentación Internacional	01/05/2012				

Como resultado del examen de fondo realizado, con fundamento en el Artículo 45 de la Decisión 486 de la Comisión de la Comunidad Andina, se comunica:

1. Documentos estudiados

Descripción:	Rad. N° 13-253803-00000-0000	25/octubre/2013
Reivindicaciones:	Rad. N° 13-253803-00000-0000	25/octubre/2013
Dibujos:	Rad. N° 13-253803-00000-0000	25/octubre/2013
Prioridad:	EP 11164473,8	02/Mayo/2011

2. Análisis de la Prioridad

Se acepta la reivindicación de prioridad porque ésta solicitud fue presentada dentro del plazo establecido (Art. 9 D 486) y su contenido técnico corresponde con el de la prioridad reivindicada.

3. Objeto de la invención

De acuerdo con lo establecido en el numeral 1.2.2.2 del Capítulo Primero del Título X de la Circular Única para efectos del examen de patentabilidad, se tendrá en cuenta la tasa pagada por el solicitante al momento de comenzar el examen para las reivindicaciones adicionales; esto es que cuando la solicitud contenga más de diez (10) reivindicaciones y no

se haya pagado la tasa complementaria, sólo se estudiarán las cubiertas por la tasa pagada. En este caso se estudian las reivindicaciones 1 a 15

Título de la solicitud: “Dispositivo y cápsula para preparar una bebida” (ver página 1 del radicado N° 13-253803-00000-0000).

El problema planteado en esta solicitud consiste en la necesidad de proporcionar una cápsula que sea compacta, que permita la extracción a baja presión de forma uniforme de una sustancia para la obtención de una bebida caliente, fácilmente reproducible de una cápsula a otra y que emplee pocos materiales de empaque para evitar el impacto medioambiental.

Para resolver este problema técnico, la solicitud en estudio proporciona una capsula y un dispositivo de una máquina perforadora que se utiliza para preparar bebidas mediante la inyección de agua en la cápsula, en dicha capsula comprende una pared lateral y una base que forma una cubierta auto soportada, una pared superior que encierra un volumen de sellado dentro la cubierta que contiene una sustancia a ser extraída, y una membrana de filtro dentro del volumen de sellado posicionado en una pared de fondo.

El objeto de la presente solicitud se relaciona con la Clasificación Internacional de Patentes (CIP): A 47 J 31/06.

4. De la solicitud de patente

Reivindicaciones (Art 30 D 486, Art 22 PCT)

- En las reivindicaciones 1, 7, 10, 12, 14, hay resultados a alcanzar donde mencionan: reivindicación 1 “...configurada de forma que sea perforada o seccionada por un dispositivo perforador de una máquina para preparar una bebida inyectando agua en la capsula con el fin de crear uno o más pasos de escape para que el flujo de la bebida pase a través de la membrana de filtro contra la presión del agua inyectada en la capsula y que presiona la sustancia contenida en la capsula”; reivindicación 6 “...permitiendo que la porción de pared inferior sea perforada y que el dispositivo perforador penetre la capsula” reivindicación 7 “...incluye un elemento perforador para abrir la parte inferior de la cápsula, donde el elemento perforador (10) incluye una cuchilla que tiene una forma circular, o esencialmente circular, configurada para seccionar una abertura en la porción de pared inferior de la pared de fondo.”; reivindicación 10 “...configurada de forma tal que la porción de pared inferior que es seccionada no esté completamente separada del resto de la pared del fondo”; reivindicación 12 “..se puede mover axialmente en la dirección A perpendicular a la membrana de filtro configurada para soportar la membrana de filtro (22) después de la perforación de la pared de fondo de la cápsula.”; reivindicación 13 “...para el paso del líquido a través del embolo”; reivindicación 14 “...configuradas para ajustar y posicionar la parte de bajo de la capsula” puesto que las reivindicaciones incluirían no sólo las soluciones propuestas por el solicitante, sino todas las alternativas presentes o futuras que lleguen a esos resultados. Se sugiere reemplazarlos por las características esenciales, estructurales o funcionales, que contribuyen a la obtención de esos efectos.
- La reivindicación 7 se hace referencia a un elemento ajeno a la invención donde menciona “...incluye un elemento perforador para abrir la parte inferior de la cápsula, donde el elemento perforador (10) incluye una cuchilla que tiene una forma circular, o esencialmente circular, configurada para seccionar una abertura en la porción de pared inferior de la pared de fondo.” Ya que hace referencia a un dispositivo para perforar, que no hace parte de los componentes técnicos estructurales de la invención.

Se le sugiere al solicitante caracterizar la invención por sus características técnicas estructurales que contribuyan a cumplir con el mismo efecto técnico.

- En la reivindicación 7 se reconoce como una falsa dependencia, ya que hace referencia a las características técnicas de un dispositivo ajeno a la cápsula que se reclama en las reivindicaciones antecesoras. Se sugiere corregir dicha inconsistencia identificando un orden jerárquico para las reivindicaciones de manera que las reivindicaciones del producto (cápsula) y el dispositivo para perforar se diferencien.
- En las reivindicaciones 8 a 15 el preámbulo no es el mismo que en las reivindicaciones 1 a 7 por lo tanto no hay una relación directa entre la materia que se busca proteger en dichas reivindicaciones. Se sugiere corregir el preámbulo de dichas reivindicaciones conservando un orden jerárquico entre la materia que se desea reclamar a lo largo del capítulo reivindicatorio.
- Los términos “*configurada*” 1, 12, 14, es relativo e impreciso por lo cual no permite distinguir la invención del estado de la técnica. Se sugiere sustituirlo por un término preciso o un rango concreto.
- La expresión “*auto-soportada*” no es una característica técnica de la invención.

Descripción (Art 28 D 486)

- Las figuras allegadas no ayudan a mejorar la comprensión de la solicitud, se le solicita que en éstas vayan todos los elementos constitutivos debidamente enumerados, de tal manera que dicha numeración no se repita, sin ningún tipo de cotas, lecturas explicativas o escalas y cada figura debe estar descrita completamente en el capítulo descriptivo. También se sugiere mejorar la calidad visual de las figuras debido al tamaño de las mismas y de la letra de los elementos que lo componen.
- Teniendo en cuenta lo anterior, se encuentran las siguientes inconsistencias:
 - En las figuras 3a y 3c se hace referencia a un mismo elemento con dos números diferentes (23 y 16) y (24 y 25) respectivamente, adicionalmente la escala de grises utilizada no permite visualizar y diferenciar los componentes técnicos estructurales.
 - En la figura 2a se señala el mismo componente técnico estructural con diferentes números de referencia (2 y 18) y (8 y 4).

5. Determinación del Estado de la Técnica

El estado de la técnica se determinó con base en la fecha de prioridad: mayo 02 de 2011, y consultadas las bases de datos a las cuales tiene acceso esta oficina no se encontró documento alguno que anticipe el objeto de la solicitud.

6. Conclusión

Los requisitos de patentabilidad de la actual reivindicación independiente 1, al igual que sus reivindicaciones dependientes, no se encuentran afectadas. Sin embargo, se requiere que la sociedad solicitante haga las correcciones o aclaraciones necesarias a las objeciones realizadas en el numeral 4 del presente requerimiento para continuar su trámite.

En cumplimiento del artículo 45 de la Decisión 486 de la Comisión de la Comunidad Andina, se le indica que debe dar respuesta dentro del término de sesenta (60) días contados a partir del día siguiente de la fecha de notificación de la presente comunicación. En caso de no dar respuesta al presente requerimiento, o si a pesar de la respuesta subsistieran los impedimentos para la concesión, se denegará la patente.

Se invita al solicitante se sirva indicar, si así lo considera, su renuncia al término faltante de sesenta (60) días para dar respuesta a este requerimiento y presentarla por escrito.

Finalmente, se le recuerda al solicitante que si como respuesta a este requerimiento llegara a modificar el capítulo reivindicatorio y éste contenga más de diez (10) reivindicaciones, no pagará la tasa de modificación voluntaria pero sí la correspondiente al pago por reivindicación adicional.

Notifíquese el presente oficio conforme a lo dispuesto en el numeral 5.2, literal e), del capítulo quinto del título primero de la Circular Única No. 10 de 2001.



JOSÉ LUIS SALAZAR LÓPEZ
Director de Nuevas Creaciones (c)

El anterior requerimiento fue notificado por fijación en lista, de fecha 2015-04-21

Elaboró: Harold Snehyder Vega Russi
Revisó: Rachid Ponce Vergel

Search history

Search 1: PN=(WO2012/150542) (Results 1)

Search 2: PN=(BE1015694 OR US2005266122 OR US2009175986 OR US2010064899 OR US2010180774 OR US2010260896 OR US2011212225 OR US2012031280 OR US2014072677 OR US4739697 OR WO10041179 OR WO11047836) (Results 11)

Search 3: device and capsule and drink (Results 279)

Search 4: chamber and drink and filter (Results 337)

Search 5: device and chamber and capsule and drink (Results 82)

Search 6: 3 and 5 (Results 82)

Search 7: capsule and device and drink (Results 279)

Search 8: capsule and comprises and drink (Results 800)

Search 9: disposable and capsule and drink (Results 40)

Search 10: DRINK CONTAINER (Results 1640)

Search 11: 5 AND 10 (Results 2)

Title: Brew chamber with filter spacer

Abstract: Source: US4739697A An improved brew chamber with filter spacer and support frame for use in an electric coffeemaker. The support frame being resiliently engagable within said brew chamber to be spaced from the chamber bottom whereby filter paper may be received within said brew chamber for receipt therein of a load of fresh ground coffee. During receipt of hot brewing water the filter paper is spaced above the bottom of the brew chamber and is prevented from sagging and clogging the brew chamber so that extracted coffee freely flows through said filter paper and outwardly of the brew chamber through an outlet orifice. The brew chamber and support frame are made of stainless steel and are resiliently engagable whereby used coffee grounds and filter paper may be discarded therefrom without accidental disengagement of the support frame.

Classifications:

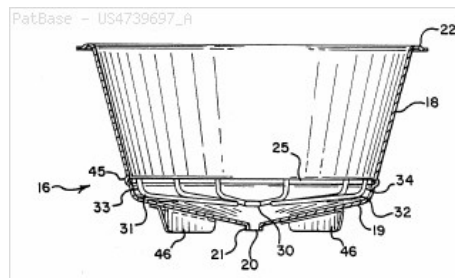
International (IPC 8-9): A47J31/06 (Advanced/Invention);
A47J31/06 (Core/Invention)

International (IPC 1-7): A47J31/02

CPC: A47J31/06

European: A47J31/06

US: 210/474 99/295 99/306 D7/400



Family:

Publication number	Publication date	Application number	Application date
US4739697 A	19880426	US19870046299	19870504

Priority:

US19870046299 19870504

Assignee(s): (std): BLOOMFIELD IND INC

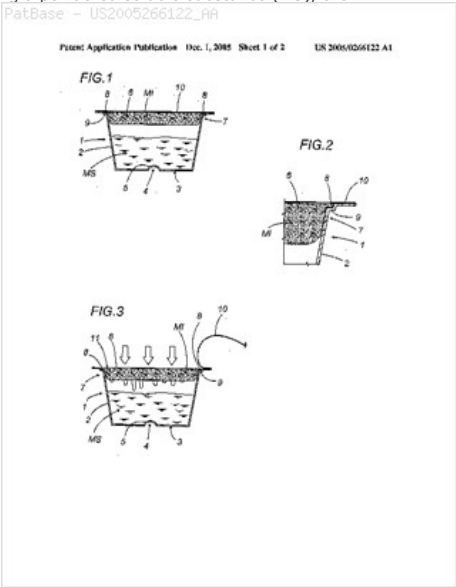
Assignee(s): SHAWMUT CAPITAL CORP ; SPECIALTY EQUIPMENT COMPANIES INC ; BLOOMFIELD INDUSTRIES INC ; BLOOMFIELD IND INC A CORP OF DE ; BARCLAYS BUSINESS CREDIT INC ; BARCLAYS BUSINESS CREDIT INC AGENT AS ; BLOOMFIELD IND

Inventor(s): (std): ROBERTS MELVIN F

Title: Capsule to be used to prepare an infused beverage

Abstract: Source: US2005266122A A capsule (1) used to prepare an infused beverage, especially cappuccino or macchiato coffee, comprises a first container (6) made of a substantially flexible material and containing a powdered infusion substance (MI), the coffee, and a second container (2), attached to the first container (6), made of a substantially rigid material and containing a powdered soluble substance (MS), the milk.

Classifications:
International (IPC 8-9): A23F5/24 A47J31/00 A47J31/06 A47J31/40 B65D77/00 B65D81/00 B65D81/32 B65D85/00 B65D85/804 (Advanced/Invention)
International (IPC 1-7): A23F5/24 A47J31/00 B65B29/2 B65D81/32 B65D85/804
CPC: B65D85/8043 B65D81/3216 B65D85/8046
European: B65D81/00B3 B65D81/32C B65D85/804B B65D85/804B1
US: 426/77



Family:

Publication number	Publication date	Application number	Application date
AR043153 AA	20050720	AR2004P100425	20040211
AT395272 E	20080515	AT20040708408T	20040205
CN100480150 C	20090422	CN200480004181	20040205
CN1750980 A	20060322	CN200480004181	20040205
DE602004013725 D1	20080626	DE200460013725T	20040205
EP1594763 A1	20051116	EP20040708408	20040205
EP1594763 B1	20080514	EP20040708408	20040205
ES2305721 T3	20081101	ES20040708408T	20040205
IN01356KN2005 A	20060630	IN2005KN01356	20050713
IN216852 B	20080321	IN2005KN01356	20050713
ITBO20030062 A1	20040814	IT2003BO00062	20030213
JP2006517500 T2	20060727	JP20060502438T	20040205
JP4338097 B2	20090930	JP20060502438T	20040205
TW200421983 A	20041101	TW20040102649	20040205
TWI301401 B	20081001	TW20040102649	20040205
US2005266122 AA	20051201	US20040512078	20041105
WO04071899 A1	20040826	WO2004IB00396	20040205

Priority:
IT2003BO00062 20030213 WO2004IB00396 20040205

Assignee(s): (std): FRANCESCHI FABIO ; I M A IND MACHINERY AUTOMATION ; IMA FLAVOUR S R L ; IMA SPA ; IMA FLAVOUR SRL

Assignee(s): IMA INDUSTRIAL MACHINERY AUTOMATION DEVICE SPA ; IMA FLAVOUR S R L OZZANO DELL EMILIA ; IMA INDUSTRIA MACCHINE AUTOMATICHE SPA ; I M A INDUSTRIA MACCHINE AUTOMATICHE S P A ; I M A INDUSTRIAL MACHINERY AUTOMATION DEVICE SPA

Inventor(s): (std): FABIO FRANCESCHI ; FRANCESCHI FABIO

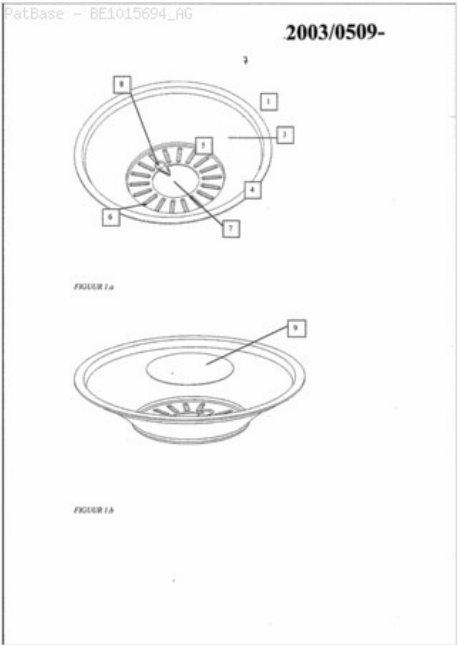
Agent(s): LANZONI LUCIANO ET AL; ARENT FOX PLLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: Capsule for preparing drinks, comprises dish sealed with film and containing cutting piece for forming opening for liquid in this film

Abstract: The capsule contains a portion of drink product for mixing with a liquid to form a drink and comprises a dish (1) and an inlay. The dish contains a central cavity and includes a piece (8) with a cutting edge. The inlay has raised ribs which form compartments for holding the drink product and contains a peripheral cavity in which the cutting piece is secured. The dish and inlay are sealed using a film. - Independent claims are also included for the following: - (1) Method for preparing a drink using the capsule by cutting the film open using the cutting piece so that liquid can flow into the region containing the drink product portion; and - (2) Process for producing the capsule in which the dish is formed, the cavity inside the dish is covered with a film, the inlay is inserted into the dish, the drink product is added to the compartments and the capsule is sealed using a film.

Classifications:
International (IPC 8-9): B65D81/00 B65D85/804 (Advanced/Invention)
International (IPC 1-7): B65D85/804
CPC: B65D85/8043
European: B65D81/00B3 B65D85/804B



Family:

Publication number	Publication date	Application number	Application date
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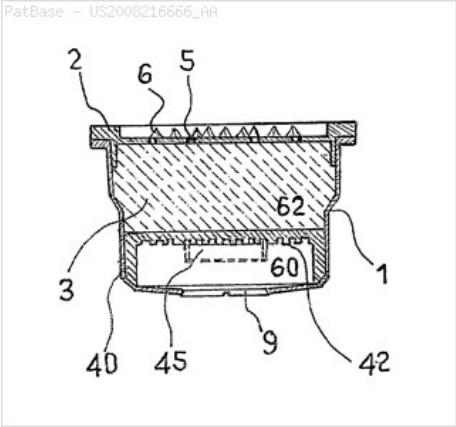
Priority:
BE20030000509 20030925

Assignee(s): (std): HOORELBEKE ALAIN

Title: DISPOSABLE CAPSULE FOR DRINKS

Abstract: Source: US2008216666A A capsule (1) for the preparation of beverages within dispensing machines, has a sealing film (4) which is perforated at the time of the use when the pressurized infusion water is supplied to the capsule and deforms the film (4), bringing it into contact with underlying perforation means (6) fixed to the same capsule.

Classifications:
International (IPC 8-9): A23F3/16 A23F5/24 A23L1/28 A23L2/00 A47G19/14 A47J31/00 A47J31/02 A47J31/057 A47J31/06 A47J31/40 B65B29/02 B65D81/00 B65D81/24 B65D81/26 B65D85/72 B65D85/804 B65D85/808 B67D5/00 B67D99/00 (Advanced/Invention); A47J31/00 A47J31/06 A47J31/40 B65D81/00 B65D85/804 (Core/Invention); B65D81/00 (Core/Non-invention); A23F A47J B65D (Subclass/Invention)
International (IPC 1-7): A47J31/00 A47J31/06 A47J31/40 B65D81/00 B65D85/72
CPC: A47J31/0673 B65D85/8043
European: A47J31/06E A47J31/06F A47J31/06P4B A47J31/40B B65D81/00B3 B65D85/804B
US: 222/1 222/1S 426/431 426/431S 426/433 426/433S 426/435 426/435S 426/77 426/77P 99/295 99/295P 99/295S 99/300 99/300S 99/323



Family:

Publication number	Publication date	Application number	Application date
AR050477 AA	20061101	AR2005P100266	20050126
AR055256 AA	20070815	AR2005P103895	20050919
AT470633 E	20100615	AT20050702323T	20050124
AU2004323285 AA	20060323	AU20040323285	20040917
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AU2005214158 AA	20050901	AU20050214158	20050124
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AU2005214158 BB	20110421	AU20050214158	20050124
BRPI0419063 A	20071211	BR2004PI19063	20040917
BRPI0506483 A	20070206	BR2005PI06483	20050124
CN100590038 C	20100217	CN200580003099	20050124
CN101056802 A	20071017	CN200480044401	20040917
CN101056802 B	20110209	CN200480044401	20040917
CN1910090 A	20070207	CN200580003099	20050124
DE602005021749 D1	20100722	DE200560021749T	20050124
ECSP066799 A	20061220	EC2006SP06799	20060825
EP1557373 A1	20050727	EP20040425042	20040126
EP1708934 A1	20061011	EP20050702323	20050124
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EP1807318 A1	20070718	EP20040787595	20040917
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ES2398190 T3	20130314	ES20100011575T	20040917
HK1096642 A3	20070608	HK20070102076	20070223
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IL181496 A1	20140630	IL20070181496	20070222
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IN254849 B	20121228	IN2006KN01780	20060626
PE07342005 A1	20051104	PE20050000092	20050125
PE09452006 A1	20061020	PE20050001070	20050916
RU2006130743 A	20080310	RU20060130743	20050124
RU2386381 C2	20100420	RU20060130743	20050124
TW200524793 A	20050801	TW20050102139	20050125
TW200610717 A	20060401	TW20050132271	20050919
TWI337159 B	20110211	TW20050102139	20050125
TWI367849 B	20120711	TW20050132271	20050919
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US2009175986 AA	20090709	US20050585260	20050124
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US8425964 BB	20130423	US20050585260	20050124
US8640604 BB	20140204	US20070673465	20070209
WO05080223 A1	20050901	WO20051B00163	20050124
WO06030461 A1	20060323	WO2004IT00503	20040917

Priority:
EP20040425042 20040126 WO2004IT00503 20040917 EP20100011575 20040917
WO2005IB00163 20050124 EP20050702323 20050124 US20070673465 20070209

Assignee(s): (std): DOGLIONI MAJER LUCA ; TUTTOESPRESSO S P A ; TUTTOESPRESSO S P A ; TUTTOESPRESSO S P A ; TUTTOESPRESSO SPA ; TUTTOESPRESSO SRL

Assignee(s): TUTTOESPRESSO S R L

Inventor(s): (std): DOGLIONI MAJER L ; DOGLIONI MAJER LUCA ; DOGLIONI MAJER LUKA ; LUCA DOGLIONI MAJER ; MAJER DOGLIONI LUCA ; MAJER LUCA DOGLIONI

Agent(s): GISLON GABRIELE; HESS PATENT LAW FIRM PC; OBLON SPIVAK MCCLELLAND MAIER AND NEUSTADT L L P; OBLON SPIVAK MCCLELLAND MAIER AND NEUSTADT LLP

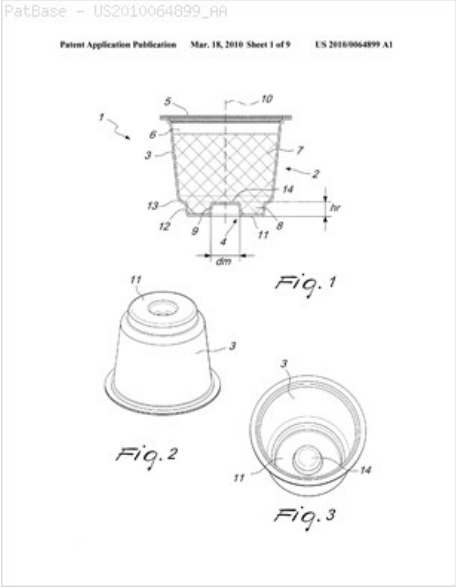
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Title: CAPSULE, MEANS FOR PIERCING THE BASE OF A CAPSULE AND DEVICE FOR PREPARING A BEVERAGE

Abstract: Source: US2010064899A A capsule, for example for brewing coffee, comprising a rotationally symmetrically formed capsule body having a side wall and having a base formed integrally therewith. The capsule is closed by a lid to form a sealed chamber for accommodating the substance contained in the capsule. The base and lid can be pierced in order that a liquid can be channelled through the capsule. The base is provided with an annular channel, of which the inner wall portion forms a stiffening zone. The base of the channel here forms a piercing zone which, as a result of the stiffening zone, can be pierced to better effect and without the capsule base as a whole being deformed.

Classifications:

International (IPC 8-9): A47J31/06 A47J31/34 A47J31/40 A47J31/44 B26F1/24 B65D17/42 B65D85/804 (Advanced/Invention); A47J31/06 (Advanced/Non-invention); A47J31/00 A47J31/06 A47J31/24 A47J31/40 A47J31/44 B26F1/00 B65D17/00 B65D85/00 B65D85/804 (Core/Invention)
International (IPC 1-7): B65D85/804
CPC: A47J31/3633 A47J31/3638 B65D85/8043
European: A47J31/36A4D A47J31/36A4F B65D85/804B
US: 83/660 83/660S 99/295 99/295P



Family:

Publication number	Publication date	Application number	Application date
AT474798 E	20100815	AT20070100520T	20070115
AU2008207022 AA	20080724	AU20080207022	20080111
AU2008207022 BB	20130829	AU20080207022	20080111
BRPI0806569 A2	20140506	BR2008PI06569	20080111
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IN02443KN2009 A	20090724	IN2009KN02443	20090702
JP2010515556 T2	20100513	JP20090545893T	20080111
JP5205392 B2	20130605	JP20090545893T	20080111
KR20090107058 A	20091012	KR20097016819	20080111
MX2009007587 A1	20090722	MX20090007587	20090715
RU2009131052 A	20110227	RU20090131052	20080111
RU2433077 C2	20111110	RU20090131052	20080111
US2010064899 AA	20100318	US20080523121	20080111
WO08087099 A2	20080724	WO2008EP50271	20080111
WO08087099 A3	20090409	WO2008EP50271	20080111

Priority:

EP20070100520 20070115 WO2008EP50271 20080111 EP20080701417 20080111

Assignee(s): (std): AARDENBURG KEES ; SVIS KAFFE EHJSHA LTD ; SWISS CAFFE ASIA LTD

Assignee(s): SWISS CAFE ASIA LTD

Inventor(s): (std): AARDENBURG KEES ; ARDENBURG KES ; KEES AARDENBURG

Agent(s): WENGER RENE ET AL; MODIANO MICAELA NADIA; SCULLY SCOTT MURPHY AND PRESSER PC

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: CAPSULE FOR PREPARING A BEVERAGE

Abstract: Source: US2011212225A The invention relates to a capsule for preparing a beverage, for example coffee, comprising a hollow element intended to contain a metered amount, for example of ground coffee, said hollow element including a side wall, a top wall and a bottom wall comprising an extraction membrane; the top wall comprising, on the inner surface thereof, a weakened area capable of moving when an external element exerts a force thereon, thereby providing a passage for the liquid to flow between the outside and the inside of the capsule

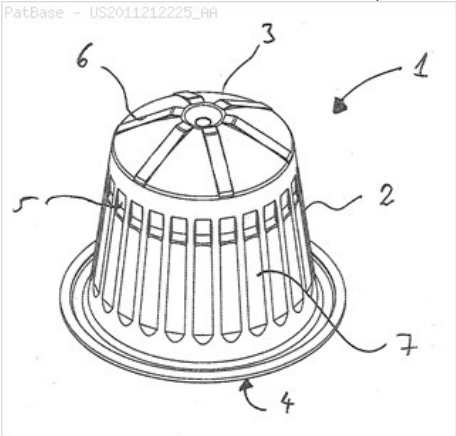
Classifications:

International (IPC 8-9): A47J31/06 B65B29/02 B65D77/00 B65D85/804 B65D85/816 (Advanced/Invention); B65D85/804 (Core/Invention)

CPC: B65D85/8043

European: B65D65/46C B65D85/804B

US: 426/80 426/80P



Family:

Publication number	Publication date	Application number	Application date
CN102186747 A	20110914	CN200980139454	20091002
CN102186747 B	20130605	CN200980139454	20091002
EP2337753 A2	20110629	EP20090764041	20091002
EP2337753 B1	20130320	EP20090764041	20091002
ES2410059 T3	20130628	ES20090764041T	20091002
JP2012505128 T2	20120301	JP20110530599T	20091002
US2011212225 AA	20110901	US20090122071	20091002
WO10041179 A2	20100415	WO2009IB54314	20091002
WO10041179 A3	20100902	WO2009IB54314	20091002

Priority:

WO2008IB54130 20081008 WO2009IB54314 20091002 EP20090764041 20091002

Assignee(s): (std): ETHICAL COFFEE CO SA ; ETHICAL COFFEE COMPANY SA ; MARILLER ALAIN

Inventor(s): (std): MARILLER ALAIN ; ALAIN MARILLER

Agent(s): GROSFILLIER PHILIPPE; ROLAND ANDRE

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: CAPSULE WITH INTEGRATED PIERCING MEMBER

Abstract: Source: US2010180774A The present invention proposes a capsule for containing beverage ingredients. The capsule includes a sealed ingredients compartment, an inlet face, an outlet face, and an opening member which is positioned at the inlet face outside the compartment and which is provided with piercing members directed towards the ingredients compartment.

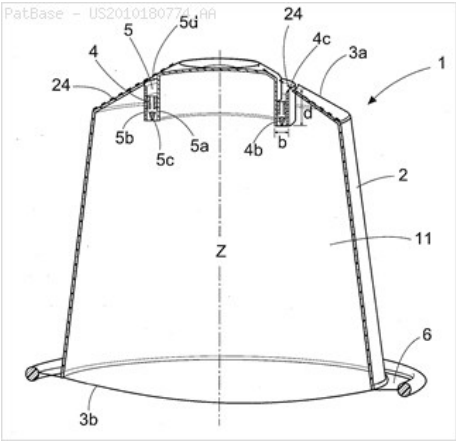
Classifications:

International (IPC 8-9): A23L2/395 A47J31/10 A47J31/36 A47J31/40 A47J31/44 B65D17/00 B65D17/42 B65D81/00 B65D85/00 B65D85/804 B65D85/816 (Advanced/Invention); A47J B65D (Subclass/Invention)

CPC: B65D85/8043

European: B65D85/804B

US: 426/77 426/77S 426/80 99/295 99/295P 99/323



Family:

Publication number	Publication date	Application number	Application date
CN101786529 A	20100728	CN201010003326	20100121
DK2210826 T3	20120917	DK20090151060T	20090122
EP2210826 A1	20100728	EP20090151060	20090122
EP2210826 B1	20120829	EP20090151060	20090122
ES2393296 T3	20121220	ES20090151060T	20090122
HK1141774 A1	20121221	HK20100108357	20100902
PT2210826 T	20120921	PT20090151060T	20090122
US2010180774 AA	20100722	US20100689853	20100119
US8393261 BB	20130312	US20100689853	20100119

Priority:

EP20090151060 20090122

Assignee(s): (std): BOUSSEMARY CHRISTOPHE S ; KOLLEP ALEXANDRE ; NESTEC SA

Assignee(s): NESTEC S A

Inventor(s): (std): ALEXANDRE KOLLEP ; BOUSSEMARY CHRISTOPHE S ; KOLLEP ALEXANDRE

Inventor(s): CHRISTOPHE S BOUSSEMARY

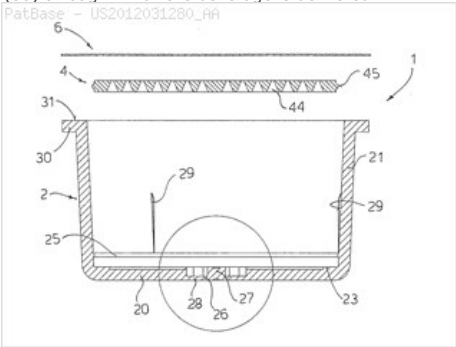
Agent(s): RUPP CHRISTIAN; WINSTON AND STRAWN LLP,PATENT DEPARTMENT; WINSTON AND STRAWN LLP PATENT DEPARTMENT; WINSTON AND STRAWN LLP

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK TR

Title: CARTRIDGE FOR COFFEE AND SOLUBLE PRODUCTS FOR PREPARING BEVERAGES

Abstract: Source: US2012031280A A cartridge (1) for coffee or soluble products for producing a beverage, includes a container (2) able to contain the coffee or soluble product, a lid (6) disposed over the container so as to define a top wall for entry into the container (2) of the hot water under pressure for formation of the beverage, a filter (4) suitable for being positioned inside the container (2) above a bottom wall (20) of the container through which the beverage exits, wherein the bottom wall (20) of the container has a less thick central area (22), at the centre of which are disposed thickening ribs (27) along the edge of which there are etchings (26) able to break when the liquid inside the cartridge reaches a pre-set pressure value, so as to form flexible tongues (28) which give rise to apertures (50) through which the beverage is delivered.

Classifications:
International (IPC 8-9): A47J31/00 A47J31/06 B65B29/02 B65D85/804 (Advanced/Invention)
CPC: B65D85/8043
European: B65D85/804B
US: 206/5 426/77 426/82 99/295 99/295P 99/323



Family:

Publication number	Publication date	Application number	Application date
CN102448853 A	20120509	CN201080023122	20100408
CN102448853 B	20140409	CN201080023122	20100408
EP2417039 A1	20120215	EP20100719284	20100408
IN04128KN2011 A	20120629	IN2011KN04128	20111005
ITMI20090571 A1	20101010	IT2009MI00571	20090409
JP2012523259 T2	20121004	JP20120504025T	20100408
JP5449527 B2	20140319	JP20120504025T	20100408
RU2011145272 A	20130520	RU20110145272	20100408
RU2520587 C2	20140627	RU20110145272	20100408
US2012031280 AA	20120209	US20100263466	20100408
US8667890 BB	20140311	US20100263466	20100408
WO10115970 A1	20101014	WO2010EP54674	20100408

Priority:

IT2009MI00571 20090409 WO2010EP54674 20100408

Assignee(s): (std): I T A CA S R L ; MACCHI EDOARDO ; MITACA S R L ; MITAKA S R L

Assignee(s): MITAKA SRL ; MITACA SRL

Inventor(s): (std): EDOARDO MACCHI ; MACCHI EDOARDO ; MAKKI EHDOARDO

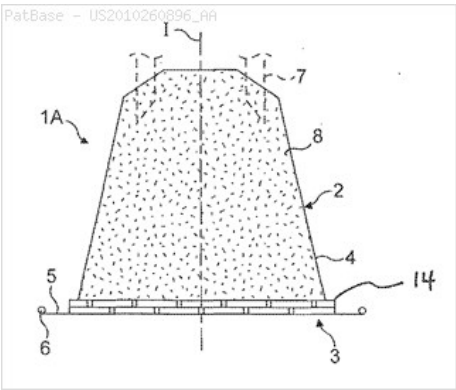
Agent(s): PETRUZZIELLO ALDO; YOUNG AND THOMPSON

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: CAPSULE FOR PREPARATION OF A BEVERAGE WITH DELAMINATING OR BREAKABLE SEAL AT DELIVERY WALL

Abstract: Source: US2010260896A A capsule for preparation of a beverage in a beverage production machine. The capsule includes a body and a delivery wall forming a chamber containing ground coffee. The delivery wall has at least one outlet, an inner layer and an outer layer forming respectively first and second layers at least partially connected together by at least one seal portion which delaminates or breaks under the pressure of coffee liquid against the seal portion. Preferably, the seal portion extends in a direction (P) which differs from the direction (A) of the outlet.

Classifications:
International (IPC 8-9): A47J31/06 A47J31/44 B65B29/02 B65D85/804 (Advanced/Invention)
CPC: B65D85/8043
European: B65D85/804B
US: 426/77 426/77P 99/279 99/295 99/300



Family:

Publication number	Publication date	Application number	Application date
CN101862122 A	20101020	CN201010164072	20100409
EP2239211 A1	20101013	EP20100158780	20100331
EP2239211 B1	20140423	EP20100158780	20100331
ES2467693 T3	20140612	ES20100158780T	20100331
PT2239211 T	20140507	PT20100158780T	20100331
US2010260896 AA	20101014	US20100756882	20100408
US8257766 BB	20120904	US20100756882	20100408

Priority:
EP20090157701 20090409 EP20090168665 20090826 EP20100158780 20100331

Assignee(s): (std): BORNE PATRICE ; NESTEC SA ; YOAKIM ALFRED
Assignee(s): NESTEC S A
Inventor(s): (std): ALFRED YOAKIM ; BORNE PATRICE ; PATRICE BORNE ; YOAKIM ALFRED
Agent(s): BORNE PATRICE DANIEL; WINSTON AND STRAWN LLP,PATENT DEPARTMENT; WINSTON AND STRAWN LLP PATENT DEPARTMENT; WINSTON AND STRAWN LLP
Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Title: FILTERING PERMEABLE THERMOFORMED CONTAINER FOR BEVERAGE-MAKING PRODUCTS WITH A FLAT RIM

Abstract: Source: US2011185911A An improved filtering permeable thermoformed container is provided which can be formed from a flat film into a shape of a cup for containing water-soluble or brewing products for making beverages wherein an advantageously shaped reinforcement ring supports a rim of the film body and a membrane lid in a rigid manner to facilitate the lid being pierced.

Classifications:

International (IPC 8-9): A47J31/06 B01D63/00 B29C51/00 B65B29/02 B65D8/08 B65D85/00 B65D85/804 B65D85/808 B65D85/812 F01P3/02 F02B69/00 F02B75/02 F02B75/16 F02F1/22 (Advanced/Invention)

CPC: B65B29/02 B65D85/8043 B65D85/808 B65D85/812

European: B65D85/804B B65D85/808 B65D85/812

US: 206/0.5 206/459.5 210/321.6 210/321.600P 220/669 264/319 426/82 99/295 99/295P

Locarno class: 20/65



Family:

Publication number	Publication date	Application number	Application date
AU2010310164 AA	20110428	AU20100310164	20101019
AU2010310164 BB	20130725	AU20100310164	20101019
CA2778187 AA	20110428	CA20102778187	20101019
CA2778187 C	20140722	CA20102778187	20101019
CA2795507 AA	20111013	CA20112795507	20110407
CA2795508 AA	20111013	CA20112795508	20110407
CN102753456 A	20121024	CN201080058284	20101019
CN102753456 B	20141126	CN201080058284	20101019
EP2490962 A1	20120829	EP20100768882	20101019
EP2490962 B1	20130626	EP20100768882	20101019
EP2555997 A2	20130213	EP20110751632	20110407
EP2555998 A2	20130213	EP20110751633	20110407
ES2426787 T3	20131025	ES20100768882T	20101019
ITBO20090679 A1	20110422	IT2009BO00679	20091021
ITBO20100219 A1	20111010	IT2010BO00219	20100409
RU2012143358 A	20140520	RU20120143358	20110407
RU2012143359 A	20140520	RU20120143359	20110407
RU2540879 C2	20150210	RU20120143359	20110407
US2011185911 AA	20110804	US20110066158	20110407
US2011247975 AA	20111013	US20110066133	20110407
US2012269933 AA	20121025	US20100502860	20101019
WO11047836 A1	20110428	WO2010EP06389	20101019
WO11124988 A2	20111013	WO2011IB01273	20110407
WO11124988 A3	20111229	WO2011IB01273	20110407
WO11124989 A2	20111013	WO2011IB01278	20110407
WO11124989 A3	20111229	WO2011IB01278	20110407

Priority:

IT2009BO00679 20091021 IT2010BO00219 20100409 WO2010EP06389 20101019
WO2011IB01273 20110407 WO2011IB01278 20110407 EP20100768882 20101019

Assignee(s): (std): GINO RAPPARINI ; RAPPARINI GINO

Assignee(s): RAPPARINI GINOVIA CROARA 3/5I-40068BOLOGNAIT

Inventor(s): (std): GINO RAPPARINI ; RAPPARINI GINO

Inventor(s): RAPPARINI GINOVIA CROARA 3/5I-40068BOLOGNAIT

Agent(s): GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER; TORTI CARLO

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: CARTRIDGES, SYSTEMS AND METHODS FOR PREPARATION OF BEVERAGES

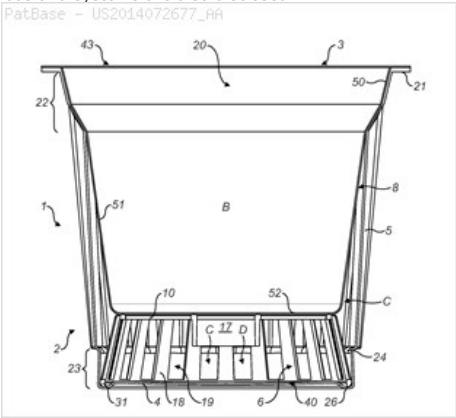
Abstract: Source: US2014072677A A cartridge for preparation of a beverage comprising: a closed container defining a container volume; a filter to divide the container volume into an ingredient chamber volume and a filtrate volume; a beverage medium located in the ingredient chamber volume; and a guard element located in the filtrate volume; wherein the guard element is separately-formed from the closed container and located within the filtrate volume to define an outlet zone, the guard element being interposed between the filter and the outlet zone; wherein the guard element is configured to prevent encroachment of the filter into the outlet zone such that on piercing of a piercing surface of the cartridge by a piercing element of a beverage preparation apparatus the piercing element is enabled to be placed in fluid communication with the outlet zone without the piercing element contacting the guard element or filter. Associated methods and systems are also disclosed.

Classifications:

International (IPC 8-9): A23F3/18 A23F5/26 A23G1/56 A47J31/00 B65D81/32 B65D85/804 B67D1/08 (Advanced/Invention)

CPC: B65D85/8043

US: 426/115 426/431 99/295



Family:

Publication number	Publication date	Application number	Application date
AU2013315753 AA	20140320	AU20130315753	20130910
AU2013315753 AA	20150212	AU20130315753	20130910
CA2879183 AA	20150113	CA20132879183	20130910
TW201425202 A	20140701	TW20130132947	20130912
US2014072677 AA	20140313	US20120612487	20120912
WO14043106 A1	20140320	WO2013US58999	20130910

Priority:

US20120612487 20120912 WO2013US58999 20130910

Assignee(s): (std): HANSEN NICK ANDREW ; KRAFT FOODS R AND D INC

Assignee(s): KRAFT FOODS UK R AND D LTD

Inventor(s): (std): HANSEN NICK ANDREW

Agent(s): KRATZ RUDY ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW