

Search history

Search CPC=(A47J31/44) (Results 1451)

1:

Search FT=(fit or fix or anchorage) (Results 1000000)

2:

Search FT=(flange) (Results 1000000)

3:

Search FT=(shutter or breechblock) (Results 336860)

4:

Search FT=(beverage 1w capsule) (Results 523)

5:

Search FT=(instant 1w drink) (Results 634)

6:

Search 1 and 5 and 6 (Results 0)

7:

Search 1 and 3 and 5 (Results 7)

8:

Search [SP]: reivindicacoes 1. dispositivo removivel para sustentacao de capsulas de bebidas, particularmente desenvolvido para aplicacao em equipamentos e maquinas de preparo de bebidas instantaneas, caracterizado por compreender uma estrutura formada por um corpo periferico (1) que possui uma primeira extremidade (2) com flange (3) e ao menos um mecanismo de travamento (6), e uma segunda extremidade (4) contendo um painel (5) para sustentacao e encaixe das referidas capsulas (c). 2. dispositivo removivel para sustentacao de capsulas de bebidas, de acordo com a reivindicacao 1, caracterizado pelo fato de que o dito mecanismo de travamento (6), para fixacao junto ao conjunto (s) responsavel pelo esmagamento da capsula de bebida do equipamento para preparo de bebidas instantaneas, e do tipo eletrico-eletronico, formado por pino e mola, ou garras. 3. dispositivo removivel para sustentacao de capsulas de bebidas, de acordo com a reivindicacao 1, caracterizado pelo fato de que o dito mecanismo de travamento (6) ser compreendido por pelo menos duas garras (7), dispostas lados opostos da extremidade (2) do dito corpo periferico (1). 4. dispositivo removivel para sustentacao de capsulas de bebidas, de acordo com a reivindicacao 3, caracterizado pelo fato de que as ditas garras do mecanismo de travamento (6) formarem um mecanismo de resgate e extracao do dito embolo (e) de dentro da regio de movimentacao do embolo. 5. dispositivo removivel para sustentacao de capsulas de bebidas, de acordo com a reivindicacao 1, caracterizado pelo fato de que o dito painel (5) da dita segunda extremidade (4) compreende uma borda periferica (8) de apoio do flange (f) de uma capsula (c). 6. dispositivo removivel para sustentacao de capsulas de bebidas, de acordo com a reivindicacao 5, caracterizado pelo fato de que a dita borda periferica (8) compreende uma abertura para posicionamento do sistema de deteccao e leitura do equipamento. 7. dispositivo removivel para sustentacao de capsulas de bebidas, de acordo com a reivindicacao 1, caracterizado pelo fato de que o dito painel (5) compreende, preferencialmente em sua porcao inferior, um recesso (10) para formacao de um bolsao na porcao onde e posicionada a regio de ruptura da capsula (c). 8. dispositivo removivel para sustentacao de capsulas de bebidas, de acordo com a reivindicacao 1, caracterizado pelo fato de que o dito painel (5) compreende reentrancias (9) dispostas nas proximidade da dita borda periferica (8). 9. dispositivo removivel para sustentacao de capsulas de bebidas, de acordo com a reivindicacao 1, caracterizado pelo fato de que o dito painel (5) compreende um formato analogo ao formato das capsulas (c) utilizadas. (Results 4)

Search CPC=(A47J31/02) (Results 1137)

10:

Search 10 and 5 and 6 (Results 0)

11:

Search 1 or 10 and 4 (Results 18)

12:

Search FT=(capsule 1w holder) (Results 1133)

13:

Search 1 and 13 or 10 and 13 (Results 37)

14:

Search 1 and 3 (Results 141)

15:

Search 5 and 15 (Results 7)

16:

Search 2 and 5 (Results 103)

17:

Search drink and 17 (Results 49)

18:

Search 1 or 10 and 4 and 3 (Results 2)

19:

Search 1 or 10 and 6 (Results 3)

20:

Search 1 or 10 and 2 (Results 340)

21:

Search capsule and 21 (Results 60)

22:

Title: Packing-filters and device for using such packing-filters

Abstract: Source: GB1064010A [EN] 1,064,010. Apparatus for making coffee or the like. MIKO P.V.B.A. April 15, 1965 [April 21, 1964 (2); March 24, 1965; April 1, 1965], No. 16295/65. Heading A4D. [Also in, Division B8] A cartridge (18) (Fig. 3, not shown) or (23) (Fig. 5, not shown) in which ground coffee or similar material is enclosed between upper and lower filter discs, is sealed by the pressure of water poured into a vessel containing the cartridge and integral either with the cartridge or with a support by means of which the device is supported on a suitable receptacle. The vessel may have weak pleated walls (2) (Fig. 1, not shown) integral with the cartridge and supported by an outer wall (1) integral with the support 8 by which the device is supported on a cup. Alternatively the vessel (30) (Fig. 5, not shown) may be integral with the support, and the cartridge formed with resilient walls 28 which jam against the walls of the vessel. In still a further embodiment portions (19) (Fig. 4, not shown) of the cartridge engage the walls of the vessel (11) which is integral with the support (14). The vessel may be bottomless or have a perforated bottom. The walls of the cartridge may be translucent or transparent.

Classifications:

International (IPC 8-9): A47J31/02 A47J31/06 B65D81/00

B65D81/34 B65D85/804 (Advanced/Invention);

A47J31/06 (Advanced/Non-invention);

A47J31/02 A47J31/06 B65D81/00 B65D81/34

B65D85/804 (Core/Invention);

A47J31/06 (Core/Non-invention);

A47L (Subclass/Invention)

International (IPC 1-7): A47G19/16 A47J31/00 A47J31/02 A47J31/06

A47J31/08 A47L B65D81/34

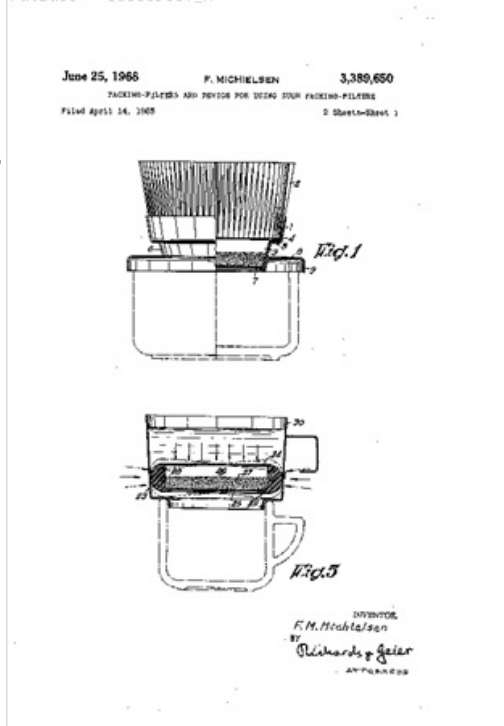
CPC: A47J31/02 B65D85/8043 A47J31/00 A47J31/0642

European: A47J31/00 A47J31/02 A47J31/06L B65D81/00B3

B65D85/804B

US: 426/433 99/295

PatBase - US3389650_R



Family:

Publication number	Publication date	Application number	Application date
AT266377 B	19681111	AT19650003497	19650415
AT277500 B	19691229	AT19650003496	19650415
BE610482 A	00000000		19611120
BE646822 A	19640817		19640421
BE646823 A	19640817		19640421
BE646824 A	19640817		19640421
BE650055 A	19641103	BE19640650055	19640703
BE650056 A	19641103	BE19640650056	19640703
BE661905 A	19650802	BE19650661905	19650401
CH436614 A	19670531	CH19650005104	19650412
DE1429942 A1	19681128	DE19621429942	19621117
DE1579396 A1	19700813	DE19651579396	19650417
DE1786546 A1	19730524	DE19651786546	19650417
DE1786546 B2	19750116	DE19651786546	19650417
DE1786546 C3	19750821	DE19651786546	19650417
DE1924553 U	19650930	DE1965M051421U	19650417
DK121972 B	19711227	DK19650001998	19650420
ES312069 A1	19660201	ES19650312069	19650421
ES317019 A1	19651201	ES19650317019	19650901
FI45151 B	19711130	FI19650000952	19650421
FI45151 C	19720310	FI19650000952	19650421
FI45275 B	19711231	FI19650000953	19650421
FI45275 C	19720410	FI19650000953	19650421
FR1506263 A	19671222	FR19650013688	19650416
GB1064010 A	19670405	GB19650016295	19650415
GB1064342 A	19670405	GB19650016294	19650415
LU48412 A	19650616	LU19650048412	19650416
NL6504834 A	19651022	NL19650004834	19650415
NO117706 B	19690915	NO19650157677	19650413
NO119372 B	19700511	NO19650157678	19650413
SE309559 B	19690324	SE19650005102	19650420
SE325226 B	19700622	SE19650005101	19650420
US3389650 A	19680625	US19650448184	19650414

Priority:

BE19610610482 19611120	BE19640043565 19640421	BE19640646822 19640421
BE19640043566 19640421	BE19640043567 19640421	BE19640646823 19640421
BE19640650055 19640703	BE19640650056 19640703	BE19650661905 19650401
BE19650661534 19650324	BE19640646824 19640421	BE19650044430 19650324
BE19650044450 19650401		

Probable Assignee: MIKO PVBA FA

Assignee(s): (std): MIKO P ; MIKO PVBA ; MIKO PV FA ; MIKO PVBA FA

Assignee(s): MIKO P V B A ; FA MIKO PV ; FA MIKO PVBA ; M I K O P V B A ; M I K O P V B A TURNHOUT BELGIEN

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Inventor(s): FRANCISCUS MARIA MICHIELSEN FABRIKANT ; MICHIELSEN FRANCISCUS MARIA TURNHOUT BELGIEN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT266377 B	19681111	LSGT	+	granted / extensions (spc, cpc, pte)	
AT266377 B	19850415	PEXP		Calculated Patent Term Expiry	
AT277500 B	19691229	LSGT	+	granted / extensions (spc, cpc, pte)	
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AT277500 B	19850415	PEXP		Calculated Patent Term Expiry	
BE610482 A	00000000	LSPB	+	published / reissued	
BE646822 A	19640817	LSPB	+	published / reissued	
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BE646823 A	19640817	LSPB	+	published / reissued	
BE646823 A	19840421	PEXP		Calculated Patent Term Expiry	
BE646824 A	19640817	LSPB	+	published / reissued	
BE646824 A	19840421	PEXP		Calculated Patent Term Expiry	
BE650055 A	19641103	LSPB	+	published / reissued	
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BE650056 A	19840703	PEXP		Calculated Patent Term Expiry	
BE661905 A	19650802	LSPB	+	published / reissued	
BE661905 A	19850401	PEXP		Calculated Patent Term Expiry	
CH436614 A	19670531	LSGT	+	granted / extensions (spc, cpc, pte)	
CH436614 A	19850412	PEXP		Calculated Patent Term Expiry	
DE1429942 A1	19681128	LSPB	+	published / reissued	
DE1579396 A1	19700813	LSPB	+	published / reissued	
DE1786546 A1	19730524	LSPB	+	published / reissued	
DE1786546 B2	19750116	LSPB	+	published / reissued	
DE1786546 C3	19750821	LSGT	+	granted / extensions (spc, cpc, pte)	
DE1786546 C3	19750821	LSGT	+C3	GRANT AFTER TWO PUBLICATION STEPS (3RD PUBLICATION)	
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DE1924553 U	19650930	LSGT	+	granted / extensions (spc, cpc, pte)	
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ES312069 A1	19660201	LSGT	+	granted / extensions (spc, cpc, pte)	
ES317019 A1	19651201	LSGT	+	granted / extensions (spc, cpc, pte)	
FI45151 B	19711130	LSPB	+	published / reissued	
FI45151 C	19720310	LSGT	+	granted / extensions (spc, cpc, pte)	
FI45151 C	19820421	PEXP		Calculated Patent Term Expiry	
FI45275 B	19711231	LSPB	+	published / reissued	
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FI45275 C	19820421	PEXP		Calculated Patent Term Expiry	
FR1506263 A	19671222	LSGT	+	granted / extensions (spc, cpc, pte)	
FR1506263 A	19850416	PEXP		Calculated Patent Term Expiry	
GB1064010 A	19670405	LSGT	+	granted / extensions (spc, cpc, pte)	
GB1064010 A	19850415	PEXP		Calculated Patent Term Expiry	

GB1064342 A	19670405	LSGT	+	granted / extensions (spc, cpc, pte)
GB1064342 A	19850415	PEXP		Calculated Patent Term Expiry
LU48412 A	19650616	LSGT	+	granted / extensions (spc, cpc, pte)
LU48412 A	19850417	PEXP		Calculated Patent Term Expiry
NL6504834 A	19651022	LSPB	+	published / reissued
NO117706 B	19690915	LSPB	+	published / reissued
NO119372 B	19700511	LSPB	+	published / reissued
SE309559 B	19690324	LSPB	+	published / reissued
SE325226 B	19700622	LSPB	+	published / reissued
US3389650 A	19680625	LSGT	+	granted / extensions (spc, cpc, pte)

Title: SINGLE-USE COFFEE FILTERS

Abstract: Source: US3823656A [EN] A single-use throw-away coffee filter comprising a water receiving filtering body having a bottom which is substantially constituted by a cartridge or **capsule** containing coffee and a filter element, the improvement comprising means to provide a sealing **fit** and to prevent relative movement between the filtering body and **capsule**, especially during the brewing of coffee.

Classifications:

International (IPC 8-9): A47J31/02 A47J31/06 A47J31/08 A47J31/10 B65D81/00 (Advanced/Invention);

A47J31/02 A47J31/06 A47J31/10 B65D81/00 (Core/Invention)

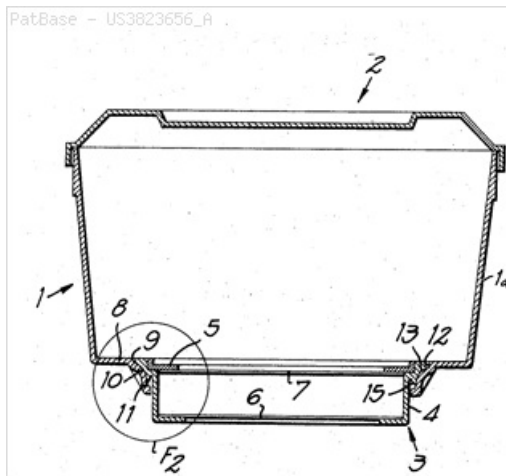
International (IPC 1-7): A47J31/06 A47J31/10 B65D81/00

CPC: A47J31/02 A47J31/0642 B65D85/8043

European: A47J31/02 A47J31/06C A47J31/06L A47J31/08

B65D81/00B3 B65D85/804B

US: 426/433 426/77 99/295 99/306



Family:

Publication number	Publication date	Application number	Application date
BE782645 A	19720816	BE19720782645	19720426
CA958680 A1	19741203	CA19720153158	19721003
FR2182167 A1	19731207	FR19730015229	19730426
FR2182167 B1	19761112	FR19730015229	19730426
US3823656 A	19740716	US19720289933	19720918

Priority:

BE19720051859 19720426 BE19720782645 19720426

Probable Assignee: VEKEN GERMAINE V D

Assignee(s): (std): VANDERVEKEN GERMAINE ; VEKEN G ; VEKEN GERMAINE V D

Assignee(s): VEKEN GERMAINE VRIJHEIDSLAAN 171 1080 BRUSSEL VAN D ; VEKEN G BE ; VAN DER VEKEN GERMAINE ; VAN DER VEKEN GERMAINE BE ; VAN DER VEKEN GERMAINE VRIJHEIDSLAAN 171 ; VAN DER VEKEN GERMAINE VRIJHEIDSLAAN 171 1080 BRUSSEL

Inventor(s): (std): VANDERVEKEN GERMAINE ; VEKEN G

Inventor(s): VEKEN G BE

Legal status (INPADOC)

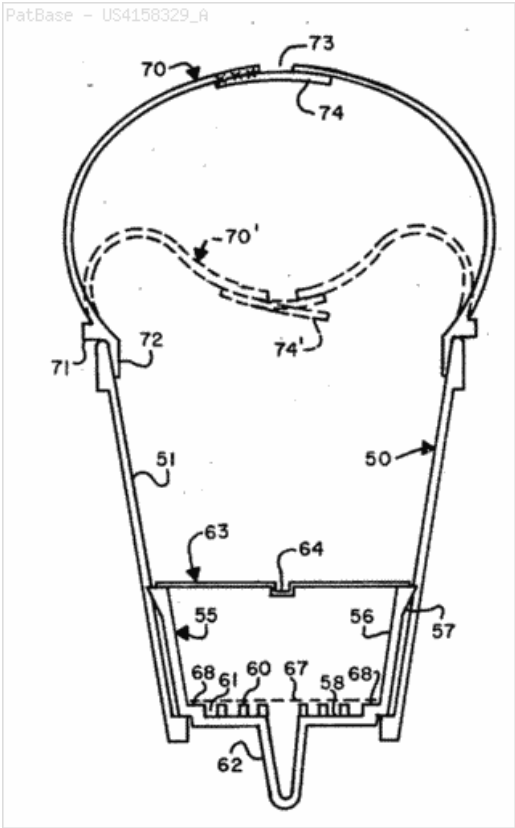
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Patent	Date recorded	Event group	Code	Event	Details
BE782645 A	19720816	LSPB	+	published / reissued	
FR2182167 A1	19731207	LSPB	+	published / reissued	
FR2182167 B1	19761112	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2182167 B1	19810130	LSLE	-ST	NOTIFICATION OF LAPSE	
FR2182167 B1	19930426	PEXP		Calculated Patent Term Expiry	
US3823656 A	19740716	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: Drip coffee brewer

Abstract: Source: US4158329A [EN] A drip coffee brewer for the brewing of a single serving of coffee consisting of a standard hot beverage cup, made of self-insulating material such as expanded polystyrene, with a portion of the bottom omitted or removed and with a cup-shaped capsule containing, integral with the bottom thereof, a raised filter-supporting grid of circular ridges, the troughs between which are connected to radial ducts leading to a central spout. The capsule, which contains a measured quantity of ground roasted coffee beans, has a perforated cover onto which boiling water is poured. The brewer is held firmly in a cup holder resting on the lip of a container. A plastic bulb is placed on top of the brewer and, when compressed, expedites the flow of water through the ground coffee beans. The capsule can be vacuum-sealed to preserve the freshness of the ground coffee. The capsule and brewing cup are disposable, the cost being less than the cost of filters for comparable brewers.

Classifications:
International (IPC 8-9): A47J31/02 (Advanced/Invention);
A47J31/02 (Core/Invention)
International (IPC 1-7): A47J31/02 A47J31/06 A47J31/32
CPC: A47J31/02
European: A47J31/02
US: 426/433 426/80 99/295 99/302FB 99/306



Family:

Publication number	Publication date	Application number	Application date
US4158329 A	19790619	US19780899320	19780424

Priority:

US19780899320 19780424

Probable Assignee: MCKNIGHT ROBERT J
Assignee(s): (std): MCKNIGHT ROBERT J
Inventor(s): (std): MCKNIGHT ROBERT J

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
US4158329 A	19790619	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: BEVERAGE BREWING

Abstract: A method of brewing a beverage in a container such as a cup (11) comprises the steps of: providing a container having a beverage brewing **capsule** (15) located therein, the beverage brewing **capsule** comprising a beverage brewing ingredient (19) enclosed between two spaced-apart filtration barriers (18, 20), pouring hot water into the container to immerse the **capsule**, and causing or allowing the beverage brewing **capsule** to move slowly upwardly relative to the container. The movement of the **capsule** through the hot water in the container may be achieved by raising the **capsule** and/or lowering the container and/or by providing a buoyant **capsule** (17). The **capsule** (15) preferably comprises a body in the form of an open-ended tube (16) with two spaced-apart filtration barriers (18, 20) extending across the inside of the tube. The invention also provides a cup (11) having a beverage brewing **capsule** of the above type located in the bottom thereof, and an interlocked stack of such cups.

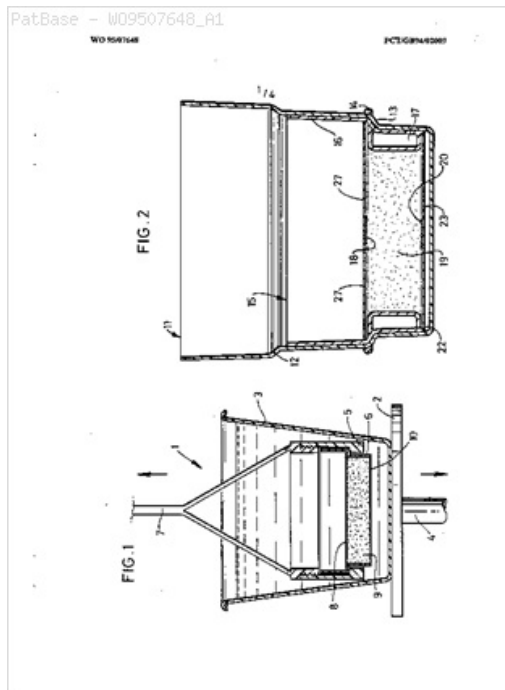
Classifications:

International (IPC 8-9): A47J31/02 A47J31/20 B65D81/00 B65D85/804 (Advanced/Invention)

International (IPC 1-7): A47J31/20 B65D81/00

CPC: A47J31/02 A47J31/20 B65D85/8043

European: A47J31/02 A47J31/20 B65D81/00B3 B65D85/804B

**Family:**

Publication number	Publication date	Application number	Application date
GB9319274 A0	19931103	GB19930019274	19930917
GB9405237 A0	19940427	GB19940005237	19940317
WO9507648 A1	19950323	WO1994GB02009	19940915

Priority:

GB19930019274 19930917 GB19940005237 19940317

Probable Assignee: MARS G B LTD

Assignee(s): (std): HARE ANDREW JOHN ; MARS G B LTD ; SCOTT ANDREW JOHN KENNEDY ; POPE KEVIN CHRISTOPHER

Assignee(s): MARS GB LTD ; MARS G B LIMITED

Inventor(s): (std): HARE ANDREW JOHN ; POPE KEVIN CHRISTOPHER ; SCOTT ANDREW JOHN KENNEDY

Designated states: AT BE CH DE DK ES FR GB GR IE IT JP LU MC NL PT SE US

Legal status (INPADOC)

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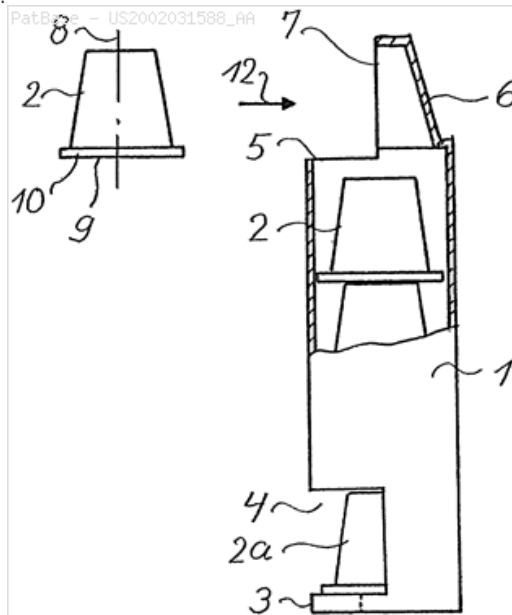
Patent	Date recorded	Event group	Code	Event	Details
WO9507648 A1	19950323	LSPB	+	published / reissued	
WO9507648 A1	19960403	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF COUNTRY CODE : WO

Abstract: Source: US2002031388A [EN] Espresso coffee capsules (2, 2a) having an essentially rotationally symmetric shape, especially the frustum of a right cone, being fitted and slide into an essentially cylindrical magazine tube (1) of a magazine which can be set up vertically. The espresso coffee capsules can be stacked in the magazine tube (1). The magazine tube (1) has a removal opening (4) at the bottom, allowing the espresso coffee capsules to be removed. The magazine tube (1) has, at the top (5), an insertion guide (6) that has a side insertion opening (7) so that the espresso coffee capsules can be inserted simply and exactly into the magazine tube.

International (IPC 8-9): A47F1/08 A47J31/24 A47J31/36 A47J31/40 A47J31/44 G07F13/06 (Advanced/Invention); A47F1/00 A47J31/24 A47J31/40 A47J31/44 G07F13/06 (Core/Invention)

European: A47F1/08C A47J31/40B A47J31/40B2 A47J31/44
A47J47/16 G07F13/06B K47J31/36A4H

US: 221/199 221/309 426/523 99/289R 99/290 99/295 99/298
992/89R



Publication number	Publication date	Application number	Application date
AT285701 E	20050115	AT20010115541T	20010628
AU2002221594 AA	20020326	AU20020221594	20010913
AU2002221594 BB	20051027	AU20020221594	20010913
BRPI0112935 A	20030909	BR2001PI12935	20010913
BRPI0112935 B1	20091201	BR2001PI12935	20010913
CA2420298 AA	20030221	CA20012420298	20010913
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DE20015903 U1	20001207	DE20002015903U	20000914
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DK1188400 T3	20050321	DK20010115541T	20010628
EP1188400 A1	20020320	EP20010115541	20010628
EP1188400 B1	20041229	EP20010115541	20010628
ES2230211 T3	20050501	ES20010115541T	20010628
IL153512 A0	20030706	IL20010153512	20010913
IL153512 A1	20070819	IL20010153512	20010913
JP2005508200 T2	20050331	JP20020526245T	20010913
JP3710783 B2	20051026	JP20020526245T	20010913
MXPA03002244 A1	20030624	MX2003PA02244	20010913
NO20030083 A	20030108	NO20030000083	20030108
NO20030083 A0	20030108	NO20030000083	20030108
NO322306 B1	20060911	NO20030000083	20030108
PT1188400 T	20050429	PT20010115541T	20010628
US2002031588 AA	20020314	US20010952895	20010914
US6595106 BB	20030722	US20010952895	20010914
WO0221982 A1	20020321	WO2001EP10594	20010913
ZA200302024 A	20040628	ZA20030002024	20030313

DE20002015903U 20000914 DE20015004940 20010628 WO2001EP10594 20010913

Assignee(s): (std): EUGSTER FRISMAG AG ; EUGSTER FRISMA AG ; EUGSTER FRISMAG AG ROMANSHORN ; EUGSTER FRISMAG ROMANSHORN AG ; NESTEC SA

Inventor(s): (std): ARTHUR EUGSTER ; EUGSTER ARTHUR

Agent(s): SHELSTON IP PTY LTD; SHELSTON IP; BORDEN LADNER GERVAIS LLP; SANFORD TCOLB AND CO; DR YITZHAK HESS AND PARTNERS

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT285701 E	20050115	LSGT	+	granted / extensions (spc, cpc, pte)	
AT285701 E	20210628	PEXP		Calculated Patent Term Expiry	
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AU2002221594 BB	20051027	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2002221594 BB	20040429	LSAS	PC1	ASSIGNMENT BEFORE GRANT (SECT. 113)	PARTYTYPE : OWNER OWNER : NESTEC S.A. OLDPARTY : FORMER APPLICANT(S): EUGSTER/FRISMAG AG
AU2002221594 BB	20060223	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2002221594 BB	20150409	LSLE	-MK14	PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED	
AU2002221594 BB	20210913	PEXP		Calculated Patent Term Expiry	
BRPI0112935 A	20030909	LSPB	+	published / reissued	
BRPI0112935 A	20050510	LSAS	B25A	REQUESTED TRANSFER OF RIGHTS APPROVED	TEXT : NESTEC S.A. (CH)
BRPI0112935 A	20090526	LSGT	B09A	DECISION: INTENTION TO GRANT	
BRPI0112935 B1	20091229	LSGT	+B16A	PATENT OR CERTIFICATE OF ADDITION OF INVENTION GRANTED	TEXT : PRAZO DE VALIDADE: 20 (VINTE) ANOS CONTADOS A PARTIR DE 13/09/2001, OBSERVADAS AS CONDICOES LEGAIS.
BRPI0112935 B1	20150714	LSLE	-B21F	LAPSE ACC. ART. 78, ITEM IV - ON NON-PAYMENT OF THE ANNUAL FEES IN TIME	TEXT : REFERENTE A 14A ANUIDADE.
BRPI0112935 B1	20151201	LSLE	-B24J	LAPSE BECAUSE OF NON-PAYMENT OF ANNUAL FEES (DEFINITIVELY: ART 78 IV LPI, RESOLUTION 113/2013 ART. 12)	TEXT : EM VIRTUDE DA EXTINCAO PUBLICADA NA RPI 2323 DE 14-07-2015 E CONSIDERANDO AUSENCIA DE MANIFESTACAO DENTRO DOS PRAZOS LEGAIS, INFORMO QUE CABE SER MANTIDA A EXTINCAO DA PATENTE E SEUS CERTIFICADOS, CONFORME O DISPOSTO NO ARTIGO 12, DA RESOLUCAO 113/2013.
BRPI0112935 B1	20210913	PEXP		Calculated Patent Term Expiry	
CA2420298 AA	20030221	LSPB	+	published / reissued	
CA2420298 AA	20030514	LSSES	+EEER	EXAMINATION REQUEST	
CA2420298 C	20070410	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2420298 C	20151026	LSLE	-MKLA	LAPSED	EFFECTIVE DATE : 20150914
CA2420298 C	20210913	PEXP		Calculated Patent Term Expiry	
DE20015903 U1	20001207	LSGT	+	granted / extensions (spc, cpc, pte)	
DE20015903 U1	20010111	LSGT	R207	UTILITY MODEL SPECIFICATION	EFFECTIVE DATE : 20010111
DE20015903 U1	20031204	LSGT	+R150	TERM OF PROTECTION EXTENDED TO 6 YEARS	EFFECTIVE DATE : 20031001
DE20015903 U1	20040609	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : NESTEC S.A., CH OLDPARTY : FORMER OWNER: EUGSTER/FRISMAG AG, ROMANSHORN, CH EFFECTIVE DATE : 20040405
DE20015903 U1	20061123	LSGT	+R151	TERM OF PROTECTION EXTENDED TO 8 YEARS	EFFECTIVE DATE : 20060921

DE20015903 U1	20081224	LSGT	+R152	TERM OF PROTECTION EXTENDED TO 10 YEARS	EFFECTIVE DATE : 20081020
DE20015903 U1	20100930	LSLE	-R071	EXPIRY OF RIGHT	
DE20015903 U1	20100914	PEXP		Calculated Patent Term Expiry	
DE50104940 D1	20060126	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DK1188400 T3	20050321	LSGT	+	granted / extensions (spc, cpc, pte)	
DK1188400 T3	20210628	PEXP		Calculated Patent Term Expiry	
EP1188400 A1	20020320	LSPB	+	published / reissued	
EP1188400 A1	20021016	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20020813
EP1188400 A1	20021211	LSFE	+AKX	PAYMENT OF DESIGNATION FEES	TEXT : AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR
EP1188400 A1	20040519	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : NESTEC S.A.
EP1188400 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160622 YEAR OF FEE PAYMENT : 16
EP1188400 A1	20160729	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20160613 YEAR OF FEE PAYMENT : 16
EP1188400 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20160610 YEAR OF FEE PAYMENT : 16
EP1188400 A1	20160831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160516 YEAR OF FEE PAYMENT : 16
EP1188400 A1	20161031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20160621 YEAR OF FEE PAYMENT : 16
EP1188400 B1	20041229	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1188400 B1	20041229	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D TEXT : NOT ENGLISH
EP1188400 B1	20041231	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1188400 B1	20050126	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D TEXT : GERMAN
EP1188400 B1	20050218	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GR REF LEGAL EVENT CODE : EP REF DOCUMENT NUMBER : 20040404591 COUNTRY OF REF DOCUMENT : GR
EP1188400 B1	20050501	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2230211 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) :
EP1188400 B1	20050628	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20050628
EP1188400 B1	20050628	LSLE	-PG25	LAPSED IN A	COUNTRY OF REF DOCUMENT :

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EP1188400 B1	20050630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES LAPSED DATE : 20050630
EP1188400 B1	20051221	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20050930
EP1188400 B1	20080625	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : CH OWNER : NESTEC S.A. REF LEGAL EVENT CODE : PFA OLDPARTY : NESTEC S.A.#AVENUE NESTLE 55#1800 VEVEY (CH) -TRANSFER TO- NESTEC S.A.#AVENUE NESTLE 55#1800 VEVEY (CH)
EP1188400 B1	20090930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20041229
EP1188400 B1	20121231	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20120726 YEAR OF FEE PAYMENT : 12
EP1188400 B1	20130329	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20120529 YEAR OF FEE PAYMENT : 12
EP1188400 B1	20130731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20130611 YEAR OF FEE PAYMENT : 13
EP1188400 B1	20130731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20130626 YEAR OF FEE PAYMENT : 13
EP1188400 B1	20130731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20130612 YEAR OF FEE PAYMENT : 13
EP1188400 B1	20130731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20130611 YEAR OF FEE PAYMENT : 13
EP1188400 B1	20130830	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20130628 YEAR OF FEE PAYMENT : 13
EP1188400 B1	20130830	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20130514 YEAR OF FEE PAYMENT : 13
EP1188400 B1	20130830	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FI PAYMENT DATE : 20130611 YEAR OF FEE PAYMENT : 13
EP1188400 B1	20130930	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20130614 YEAR OF FEE PAYMENT : 13
EP1188400 B1	20150106	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : PT REF LEGAL EVENT CODE : MM4A TEXT : LAPSE DUE TO NON- PAYMENT OF FEES EFFECTIVE DATE : 20141229

EP1188400 B1	20150119	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DK REF LEGAL EVENT CODE : EBP EFFECTIVE DATE : 20140630
EP1188400 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : SE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140629
EP1188400 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : PT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141229
EP1188400 B1	20150130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : FI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140628
EP1188400 B1	20150203	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SE REF LEGAL EVENT CODE : EUG
EP1188400 B1	20150215	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MM01 REF DOCUMENT NUMBER : 285701 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20140628
EP1188400 B1	20150225	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20140628
EP1188400 B1	20150311	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GR REF LEGAL EVENT CODE : ML REF DOCUMENT NUMBER : 20040404591 COUNTRY OF REF DOCUMENT : GR EFFECTIVE DATE : 20150105
EP1188400 B1	20150325	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP1188400 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : IE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140628
EP1188400 B1	20150529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : GB NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140628
EP1188400 B1	20150529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : GR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150105
EP1188400 B1	20150529	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : AT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140628
EP1188400 B1	20150729	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FD2A EFFECTIVE DATE : 20150729
EP1188400 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : DK NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140630

EP1188400 B1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : ES NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140629
EP1188400 B1	20160516	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 16
EP1188400 B1	20170511	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 17
EP1188400 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : BE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140630
EP1188400 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20170613 YEAR OF FEE PAYMENT : 17
EP1188400 B1	20170731	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170511 YEAR OF FEE PAYMENT : 17
EP1188400 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20170614 YEAR OF FEE PAYMENT : 17
EP1188400 B1	20170831	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20170619 YEAR OF FEE PAYMENT : 17
EP1188400 B1	20171031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170621 YEAR OF FEE PAYMENT : 17
EP1188400 B1	20210628	PEXP		Calculated Patent Term Expiry	
ES2230211 T3	20050501	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2230211 T3	20210628	PEXP		Calculated Patent Term Expiry	
IL153512 A0	20080122	LSGT	+FF	PATENT GRANTED	
IL153512 A0	20080323	LSFE	+KB	PATENT RENEWED	
IL153512 A1	20070819	LSPB	+	published / reissued	
IL153512 A1	20110831	LSFE	+KB	PATENT RENEWED	
IL153512 A1	20160421	LSLE	-MM9K	PATENT NOT IN FORCE DUE TO NON-PAYMENT OF RENEWAL FEES	
JP2005508200 T2	20050331	LSPB	+	published / reissued	
JP2005508200 T2	20050719	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2005508200 T2	20050725	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20050722
JP2005508200 T2	20050818	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20050810
JP2005508200 T2	20050819	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP3710783 B2	20051026	LSGT	+	granted / extensions (spc, cpc, pte)	
JP3710783 B2	20080731	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3

JP3710783 B2	20080805	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 4
JP3710783 B2	20090730	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 4
JP3710783 B2	20090804	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 5
JP3710783 B2	20100803	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 6
JP3710783 B2	20110728	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 6
JP3710783 B2	20110802	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 7
JP3710783 B2	20120807	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 8
JP3710783 B2	20130806	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP3710783 B2	20140819	LSLE	-LAPS	CANCELLATION BECAUSE OF NO PAYMENT OF ANNUAL FEES	
JP3710783 B2	20210913	PEXP		Calculated Patent Term Expiry	
MXPA03002244 A1	20030624	LSPB	+	published / reissued	
MXPA03002244 A1	20050527	LSAS	GB	TRANSFER OR ASSIGNMENT	
MXPA03002244 A1	20060516	LSGT	+FG	GRANT OR REGISTRATION	
NO20030083 A	20030108	LSPB	+	published / reissued	
NO322306 B1	20060911	LSGT	+	granted / extensions (spc, cpc, pte)	
NO322306 B1	20150427	LSLE	-MM1K	LAPSED BY NOT PAYING THE ANNUAL FEES	
NO322306 B1	20230108	PEXP		Calculated Patent Term Expiry	
PT1188400 T	20050429	LSGT	+	granted / extensions (spc, cpc, pte)	
PT1188400 T	20210628	PEXP		Calculated Patent Term Expiry	
US2002031588 AA	20020314	LSPB	+	published / reissued	
US2002031588 AA	20010915	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : EUGSTER/FRISMAG AG, SWITZERLAND OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:EUGSTER, ARTHUR; REEL/FRAME:012174/0174 EFFECTIVE DATE : 20010911
US6595106 BB	20030722	LSGT	+	granted / extensions (spc, cpc, pte)	
US6595106 BB	20030702	LSGT	PAT1	Patented Case	
US6595106 BB	20040405	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NESTEC S.A., SWITZERLAND OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:EUGSTER/FRISMAG AG; REEL/FRAME:015167/0996 EFFECTIVE DATE : 20030904
US6595106 BB	20061229	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6595106 BB	20101222	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6595106 BB	20141231	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12

US6595106 BB	20210914	PEXP		Calculated Patent Term Expiry	
WO0221982 A1	20020321	LSPB	+	published / reissued	
WO0221982 A1	20021217	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 153512 COUNTRY OF REF DOCUMENT : IL
WO0221982 A1	20030217	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2002221594 COUNTRY OF REF DOCUMENT : AU
WO0221982 A1	20030221	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2420298 COUNTRY OF REF DOCUMENT : CA
WO0221982 A1	20030313	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 200302024 COUNTRY OF REF DOCUMENT : ZA
WO0221982 A1	20030313	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2003/02024 COUNTRY OF REF DOCUMENT : ZA
WO0221982 A1	20030314	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2002526245 COUNTRY OF REF DOCUMENT : JP
WO0221982 A1	20030314	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : PA/A/2003/002244 COUNTRY OF REF DOCUMENT : MX
WO0221982 A1	20030407	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2003109757 COUNTRY OF REF DOCUMENT : RU KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO0221982 A1	20060210	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2002221594 COUNTRY OF REF DOCUMENT : AU
ZA200302024 A	20040628	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA200302024 A	20230312	PEXP		Calculated Patent Term Expiry	

Title: MACHINE FOR THE PREPARATION OF BEVERAGES

Abstract: Source: US2004206245A [EN] A closure mechanism for a beverage preparation machine comprising a fixed lower part and an upper part rotatable relative to the lower part, the upper part being moveable from an open position, in which the upper part is disengaged from the lower part, and a closed position, in which the upper part is engaged with the lower part, the closure mechanism further comprising a clamping lever operable to retain the upper part in the closed position, wherein the clamping lever comprises a first member being pivotably connected at a first pivot to the upper part and a second member having a first end pivotable about a second pivot, an end of the first member and a second end of the second member being pivotably connected together at a third pivot such that the clamping lever has first and second positions of stability, wherein on operation of the clamping lever to move the upper part from the open position to the closed position the clamping lever moves from the first to the second position of stability.

Classifications:

International (IPC 8-9): A47J31/00 A47J31/06 A47J31/34 A47J31/36 A47J31/40 A47J31/44 A47J31/46 A47J31/56 A47J36/12 B65D81/00 B65D85/804 E05D15/40 (Advanced/Invention); A47J31/06 A47J31/40 A47J31/44 (Advanced/Non-invention); A47J31/06 A47J31/24 A47J31/40 A47J31/44 A47J36/00 B65D81/00 B65D85/804 (Core/Invention); A47J (Subclass/Invention)

International (IPC 1-7): A23L1/00 A47J0/00 A47J31/06 A47J31/36 A47J31/40 A47J31/44 A47J36/12

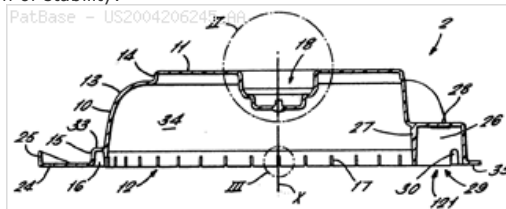
CPC: A47J31/465 B65D85/8043 A47J31/0673 A47J31/3695

A47J31/4407 A47J31/446 A47J31/4492 A47J31/56 A47J31/40 A47J31/00 A47J31/44

European: A47J31/06C A47J31/06P4B A47J31/36B4D2 A47J31/40B A47J31/40H A47J31/44A1 A47J31/44A4 A47J31/44H

A47J31/46S2 A47J31/56 A47J36/12 B65D81/00B3 B65D85/804B

US: 49/248 49/251 49/253 99/295 99/302R 99/337 99/337P 992/950

**Family:**

Publication number	Publication date	Application number	Application date
AU2004206096 AA	20040805	AU20040206096	20040123
BRPI0406867 A	20060103	BR2004PI06867	20040123
CA2513888 AA	20050721	CA20042513888	20040123
EP1440644 A1	20040728	EP20040250380	20040123
EP1440644 B1	20060412	EP20040250380	20040123
GB200301713 A0	20030226	GB20030001713	20030124
GB2397501 A1	20040728	GB20030001713	20030124
GB2397501 A8	20040805	GB20030001713	20030124
GB2397501 B2	20050622	GB20030001713	20030124
HK1065692 A1	20061110	HK20040108570	20041101
HK1065692 A3	20050304	HK20040108570	20041101
JP2006515526 T2	20060601	JP20060500233T	20040123
KR101116526 B1	20120228	KR20057013568	20040123
KR20050107745 A	20051115	KR20057013568	20040123
LT2005076 A	20060725	LT20050000076	20050823
MXPA05007875 A1	20051117	MX2005PA07875	20040123
NO20053937 A	20051024	NO20050003937	20050823
NO20053937 A0	20050823	NO20050003937	20050823
PL207086 B1	20101029	PL20040377929	20040123
PL377929 A1	20060220	PL20040377929	20040123
RU2005126732 A	20060227	RU20050126732	20040123
RU2331349 C2	20080820	RU20050126732	20040123
US2004206245 AA	20041021	US20040763519	20040123
US7255039 BB	20070814	US20040763519	20040123
WO04064582 A2	20040805	WO2004GB00265	20040123
WO04064582 A3	20050120	WO2004GB00265	20040123

Priority:

GB20030001709	20030124	GB20030001713	20030124	US20040763519	20040123
US20030462538P	20030411	GB20030001734	20030124	GB20030001735	20030124
WO2004GB00265	20040123				

Probable Assignee: DOUWE EGBERTS BV KONINKLL

Assignee(s): (std): HALLIDAY ANDREW ; HANSEN NICK ; CARTER STEVEN ; KRAFT FOODS R AND D ; KRAFT FOOD R AND D INC ; KRAFT FOODS R AND D INC ; KRAFT FUDZ R U D INK

Assignee(s): KRAFT FOODS R AMP AMP ; D INC ; KRAFT FOOD R AMP AMP ; DOUWE EGBERTS BV KONINKLL

Inventor(s): (std): KHOLLIDEHJ EHNDRIJU ; KHANSEN NIK ; KARTER STIVEN ; HANSEN NICK ; HALLIDAY ANDREW ; CARTER STEVER ; CARTER STEVEN ; CARTER STEPHEN ; CARTER STEVE ; HALLIDAY ANDREW MICHAEL ; NICK HANSEN

Inventor(s): STEPHEN CARTER ; STEVER CARTER ; STEVEN CARTER ; ANDREW MICHAEL HALLIDAY ; ANDREW HALLIDAY

Agent(s): GRIFFITH HACK; MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; FITCH EVEN TABIN AND FLANNERY

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

Legal status (INPADOC)

View legal status timeline

Patent **Date recorded** **Event group** **Code** **Event** **Details**

AU2004206096 AA	20040805	LSPB	+	published / reissued	
AU2004206096 AA	20090820	LSLE	-MK4	APPLICATION LAPSED SECTION 142(2)(D) - NO CONTINUATION FEE PAID FOR THE APPLICATION	
BRPI0406867 A	20060103	LSPB	+	published / reissued	
BRPI0406867 A	20120522	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	TEXT : REFERENTE AS 4A, 5A, 6A, 7A E 8A ANUIDADES.
BRPI0406867 A	20121016	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	TEXT : REFERENTE AO DESPACHO 8.6 PUBLICADO NA RPI 2159 DE 22/05/2012.
CA2513888 AA	20050721	LSPB	+	published / reissued	
CA2513888 AA	20090123	LSLE	-FZDE	DEAD	
EP1440644 A1	20040728	LSPB	+	published / reissued	
EP1440644 A1	20040728	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20040131
EP1440644 A1	20041229	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : KRAFT FOODS R & D, INC.
EP1440644 A1	20050105	LSAS	RAP1	TRANSFER OF RIGHTS OF AN APPLICATION	PARTYTYPE : OWNER OWNER : KRAFT FOODS R & D, INC.
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EP1440644 B1	20060628	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HU REF LEGAL EVENT CODE : AG4A REF DOCUMENT NUMBER : E000371 COUNTRY OF REF DOCUMENT : HU
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EP1440644 B1	20060921	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GR REF LEGAL EVENT CODE : EP REF DOCUMENT NUMBER : 20060402366 COUNTRY OF REF DOCUMENT : GR
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EP1440644 B1	20160126	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 13
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EP1440644 B1	20170125	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 14

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EP1440644 B1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170125 YEAR OF FEE PAYMENT : 14
EP1440644 B1	20170428	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170125 YEAR OF FEE PAYMENT : 14
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EP1440644 B1	20180125	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 15
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EP1440644 B1	20240123	PEXP		Calculated Patent Term Expiry	
GB2397501 A1	20040728	LSPB	+	published / reissued	
GB2397501 B2	20050622	LSGT	+	granted / extensions (spc, cpc, pte)	
GB2397501 B2	20071107	LSRV	-773K	PATENT REVOKED UNDER SECT. 73(2)/1977	TEXT : PATENT REVOKED ON 20071015
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HK1065692 A1	20241101	PEXP		Calculated Patent Term Expiry	
HK1065692 A3	20050304	LSPB	+	published / reissued	
JP2006515526 T2	20060601	LSPB	+	published / reissued	
JP2006515526 T2	20070124	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20070123

JP2006515526 T2	20080616	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20080613
JP2006515526 T2	20081015	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20081014
JP2006515526 T2	20090325	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20090324
JP2006515526 T2	20090625	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20090624
JP2006515526 T2	20090930	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2006515526 T2	20091005	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20091002
JP2006515526 T2	20091008	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01
JP2006515526 T2	20091105	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20091029
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KR20050107745 A	20051115	LSPB	+	published / reissued	
KR20050107745 A	20081126	LSSES	A201	REQUEST FOR EXAMINATION	
KR20050107745 A	20101116	LSSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR20050107745 A	20110315	LSRV	-E90F	NOTIFICATION OF REASON FOR FINAL REFUSAL	
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KR20050107745 A	20120207	LSGT	+GRNT	WRITTEN DECISION TO	

LT2005076 A	20060725	LSPB	+	GRANT published / reissued	
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NO20053937 A	20051024	LSPB	+	published / reissued	
NO20053937 A	20080825	LSRV	-FC2A	WITHDRAWAL, REJECTION OR DISMISSAL OF LAID OPEN PATENT APPLICATION	
PL207086 B1	20101029	LSGT	+	granted / extensions (spc, cpc, pte)	
PL377929 A1	20060220	LSPB	+	published / reissued	
RU2005126732 A	20060227	LSPB	+	published / reissued	
RU2331349 C2	20080820	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2331349 C2	20170110	LSLI	PC41	OFFICIAL REGISTRATION OF THE TRANSFER OF EXCLUSIVE RIGHT	EFFECTIVE DATE : 20161227
RU2331349 C2	20240123	PEXP		Calculated Patent Term Expiry	
US2004206245 AA	20041021	LSPB	+	published / reissued	
US2004206245 AA	20040624	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KRAFT FOODS R & D, INC., GERMANY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:HALLIDAY, ANDREW; CARTER, STEVE; REEL/FRA:015508/0970; SIGNING DATES FROM 20040326 TO 20040329
US7255039 BB	20070814	LSGT	+	granted / extensions (spc, cpc, pte)	
US7255039 BB	20070725	LSGT	PAT1	Patented Case	
US7255039 BB	20110214	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7255039 BB	20150216	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7255039 BB	20160701	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KONINKLIJKE DOUWE EGBERTS B.V., NETHERLANDS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:KRAFT FOODS R & D, INC.; REEL/FRA:039234/0692 EFFECTIVE DATE : 20160623
US7255039 BB	20240617	PEXP		Calculated Patent Term Expiry (PTA 146 days)	
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WO04064582 A3	20050721	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 377929 COUNTRY OF REF DOCUMENT : PL
WO04064582 A3	20050721	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2513888 COUNTRY OF REF DOCUMENT : CA
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WO04064582 A3	20060725	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2005076 COUNTRY OF REF DOCUMENT : LT

Title: **CAPSULE** CHUTE FOR STORING **CAPSULES** COMPRISES A VISIBLE SLIT FOR CONTROLLING THE FILLING LEVEL AND PLEXIGLASS TUBES WHICH CAN BE REMOVED

Abstract: **Capsule** chute comprises a visible slit for controlling the filling level and plexiglass tubes which can be removed. Preferred Features: The tubes are arranged next to each other so that they can be assembled on a cupboard door or on a wall. The diameter of the tubes **fit** the diameter of the **capsules**. The chute sits on a stand.

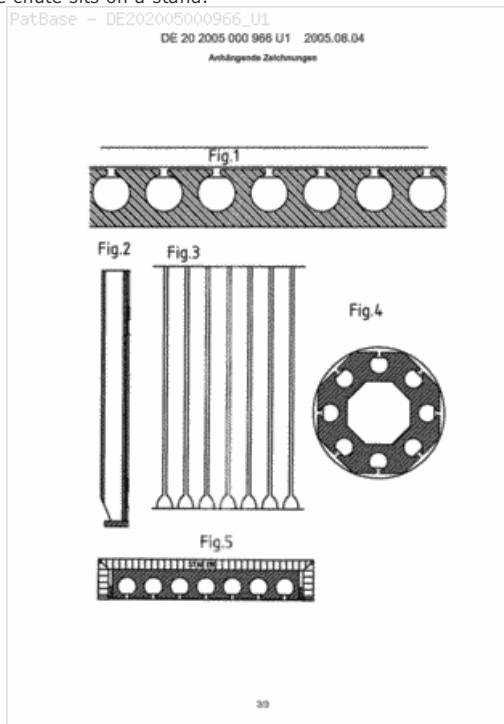
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International (IPC 8-9): A47J47/01 (Advanced/Invention);
A47J47/00 (Core/Invention)

International (IPC 1-7): A47F1/08 A47J47/01 B65D25/54 B65D25/56
B65D83/04

CPC: A47J31/44 A47J47/01 A47J47/16

European: A47J31/44 A47J47/16 K47J47/01



Family:

Publication number	Publication date	Application number	Application date
DE202005000966 U1	20050630	DE200520000966U	20050121

Priority:

DE200520000966U 20050121

Probable Assignee:

DUHME TOBIAS

Assignee(s): (std):

DUHME TOBIAS

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE202005000966 U1	20050630	LSGT	+	granted / extensions (spc, cpc, pte)	
DE202005000966 U1	20050121	LSLI	R086	NON-BINDING DECLARATION OF LICENSING INTEREST	
DE202005000966 U1	20050804	LSGT	R207	UTILITY MODEL SPECIFICATION	EFFECTIVE DATE : 20050804
DE202005000966 U1	20081120	LSLE	-R156	LAPSE OF IP RIGHT AFTER 3 YEARS	EFFECTIVE DATE : 20080801
DE202005000966 U1	20150121	PEXP		Calculated Patent Term Expiry	

Title: BEVERAGE MACHINE WITH HEIGHT-ADJUSTABLE DEVICE FOR CONTROLLING DISTANCE BETWEEN BEVERAGE RECIPIENT AND OUTLET

Abstract: Source: US2007209521A [EN] A beverage machine having a height-adjustment device that includes a movable support plate for adjusting the position of the recipient relative to at least one beverage outlet. The support plate is movable relative to the at least one beverage outlet. The machine also includes a displacement mechanism for displacing the support plate relative to the outlet. The displacement mechanism includes a motorized driver for driving the displacement mechanism, a controller for controlling the actuation of the driver and which is configured to set a predetermined distance between the outlet and the recipient. A drip-collecting device can also be selectively provided to collect liquid falling from the beverage outlet when the recipient is not present.

Classifications:

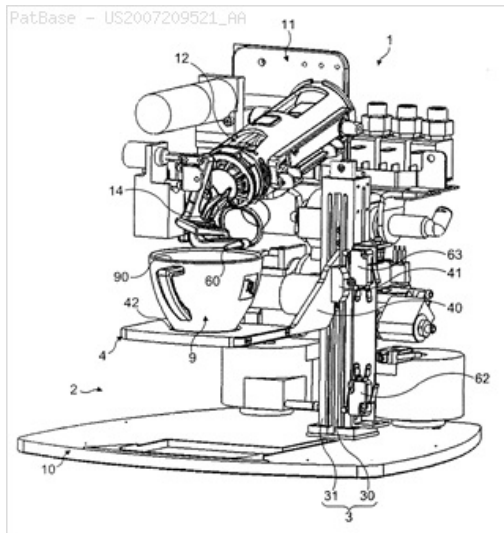
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International (IPC 1-7): A47J31/41 A47J31/44 A47J31/60

CPC: A47J31/061 A47J31/4482 A47J31/4485 A47J31/60 A47J31/545 A47J31/44 A47J31/4453 A47J2037/0617

European: A47J31/06D2 A47J31/44B A47J31/44D A47J31/60

US: 222/108 222/108S 366/138 366/138P 366/279 426/431 426/431P 99/275 99/280 99/290 99/290S 99/293 99/295 99/299 99/305 99/306 99/307 99/309 99/323.1



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Publication number	Publication date	Application number	Application date
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AT547971 E	20120315	AT20050791674T	20050909
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Priority:

EP20040026844	20041111	EP20050791674	20050909	EP20050812141	20051107
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US20100720295	20100309	EP20100163042	20050909	WO2005EP09693	20050909
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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 KM KN KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
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AT499866 E	20110715	LSPB	+UEP	PUBLICATION OF TRANSLATION OF EUROPEAN PATENT	REF DOCUMENT NUMBER : 1656863 COUNTRY OF REF DOCUMENT : EP

SPECIFICATION					
AT499866 E	20241111	PEXP		Calculated Patent Term Expiry	
AT547971 E	20120315	LSGT	+	granted / extensions (spc, cpc, pte)	
AT547971 E	20250909	PEXP		Calculated Patent Term Expiry	
AU2005303987 AA	20060518	LSPB	+	published / reissued	
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AU2005304129 AA	20060518	LSPB	+	published / reissued	
AU2005304129 BB	20110224	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2005304129 BB	20110623	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2005304129 BB	20150402	LSLE	-MK14	PATENT CEASED SECTION 143(A) (ANNUAL FEES NOT PAID) OR EXPIRED	
AU2005304129 BB	20250909	PEXP		Calculated Patent Term Expiry	
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BRPI0517471 A	20150707	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	TEXT : REFERENTE A 10A ANUIDADE.
BRPI0517471 A	20151124	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	TEXT : EM VIRTUDE DO ARQUIVAMENTO PUBLICADO NA RPI 2322 DE 07-07-2015 E CONSIDERANDO AUSENCIA DE MANIFESTACAO DENTRO DOS PRAZOS LEGAIS, INFORMO QUE CABE SER MANTIDO O ARQUIVAMENTO DO PEDIDO DE PATENTE, CONFORME O DISPOSTO NO ARTIGO 12, DA RESOLUCAO 113/2013.
BRPI0517801 A	20081021	LSPB	+	published / reissued	
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EP1656863 A1	20111028	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HU REF LEGAL EVENT CODE : AG4A REF DOCUMENT NUMBER : E011127 COUNTRY OF REF DOCUMENT : HU
EP1656863 A1	20111031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20110302
EP1656863 A1	20111130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20110302
EP1656863 A1	20111130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20110302
EP1656863 A1	20111130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20110702
EP1656863 A1	20111130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20110302
EP1656863 A1	20120208	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20111205
EP1656863 A1	20120229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20110302
EP1656863 A1	20120329	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602004031632 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20111205
EP1656863 A1	20120629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20111130
EP1656863 A1	20130531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20111111
EP1656863 A1	20131129	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PL PAYMENT DATE : 20130917 YEAR OF FEE PAYMENT : 10
EP1656863 A1	20140131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20131112 YEAR OF FEE PAYMENT : 10
EP1656863 A1	20140131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20131106

				PAID TO NATIONAL OFFICE	YEAR OF FEE PAYMENT : 10
EP1656863 A1	20140131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20131112 YEAR OF FEE PAYMENT : 10
EP1656863 A1	20140131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20131108 YEAR OF FEE PAYMENT : 10
EP1656863 A1	20140131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20131112 YEAR OF FEE PAYMENT : 10
EP1656863 A1	20140131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20131106 YEAR OF FEE PAYMENT : 10
EP1656863 A1	20140131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20131028 YEAR OF FEE PAYMENT : 10
EP1656863 A1	20140131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20130513 YEAR OF FEE PAYMENT : 10
EP1656863 A1	20140228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 20131021 YEAR OF FEE PAYMENT : 10
EP1656863 A1	20140228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20131011 YEAR OF FEE PAYMENT : 10
EP1656863 A1	20140228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20131109 YEAR OF FEE PAYMENT : 10
EP1656863 A1	20140228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20131114 YEAR OF FEE PAYMENT : 10
EP1656863 A1	20140228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20131113 YEAR OF FEE PAYMENT : 10
EP1656863 A1	20140228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : HU PAYMENT DATE : 20131104 YEAR OF FEE PAYMENT : 10
EP1656863 A1	20140228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20131022 YEAR OF FEE PAYMENT : 10
EP1656863 A1	20150520	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : PT REF LEGAL EVENT CODE : MM4A TEXT : LAPSE DUE TO NON-PAYMENT OF FEES EFFECTIVE DATE : 20150511
EP1656863 A1	20150602	LSDW	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R119 REF DOCUMENT NUMBER : 602004031632 COUNTRY OF REF DOCUMENT : DE
EP1656863 A1	20150617	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : V1 EFFECTIVE DATE : 20150601
EP1656863 A1	20150630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO	COUNTRY OF REF DOCUMENT : BE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141130

EPO					
EP1656863 A1	20150630	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP1656863 A1	20150630	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : SE REF LEGAL EVENT CODE : EUG
EP1656863 A1	20150715	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MM01 REF DOCUMENT NUMBER : 499866 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20141111
EP1656863 A1	20150729	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20141111
EP1656863 A1	20150729	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GR REF LEGAL EVENT CODE : ML REF DOCUMENT NUMBER : 20110401244 COUNTRY OF REF DOCUMENT : GR EFFECTIVE DATE : 20150604
EP1656863 A1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141112
EP1656863 A1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141130
EP1656863 A1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141130
EP1656863 A1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150511
EP1656863 A1	20150826	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP1656863 A1	20150828	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20150731
EP1656863 A1	20150831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141112
EP1656863 A1	20150831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150604
EP1656863 A1	20150831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150601
EP1656863 A1	20150831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

				POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	LAPSED DATE : 20141111
EP1656863 A1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141111
EP1656863 A1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : DE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150602
EP1656863 A1	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141111
EP1656863 A1	20151130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141201
EP1656863 A1	20151231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141111
EP1656863 A1	20160105	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FD2A EFFECTIVE DATE : 20160105
EP1656863 A1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141112
EP1656863 A1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141111
EP1656863 A1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141111
EP1656863 B1	20110302	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1656863 B1	20241111	PEXP		Calculated Patent Term Expiry	
EP1811881 A2	20070801	LSPB	+	published / reissued	
EP1811881 A2	20070801	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20070611
EP1811881 A2	20081210	LSSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20081111
EP1811881 A2	20161031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160907 YEAR OF FEE PAYMENT : 12
EP1811881 B1	20120307	LSGT	+	granted /	

				extensions (spc, cpc, pte)	
EP1811881 B1	20120307	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP1811881 B1	20120315	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1811881 B1	20120315	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 547971 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20120315
EP1811881 B1	20120411	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP1811881 B1	20120503	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602005033067 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20120503
EP1811881 B1	20120522	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2381017 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20120522
EP1811881 B1	20120620	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : T3
EP1811881 B1	20120727	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : GR REF DOCUMENT NUMBER : 1112165 COUNTRY OF REF DOCUMENT : HK
EP1811881 B1	20120731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20120307
EP1811881 B1	20120827	LSRV	-LTIE	LT: INVALIDATION OF EUROPEAN PATENT OR PATENT EXTENSION	REF COUNTRY CODE : EP EFFECTIVE DATE : 20120307
EP1811881 B1	20120831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20120307
EP1811881 B1	20120831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20120608
EP1811881 B1	20120831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20120307
EP1811881 B1	20120928	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20120307
EP1811881 B1	20121031	LSLE	-PG25	LAPSED IN A	COUNTRY OF REF DOCUMENT : SI

				CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20120307
EP1811881 B1	20121031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20120307
EP1811881 B1	20121031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20120307
EP1811881 B1	20121031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20120307
EP1811881 B1	20121031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20120307
EP1811881 B1	20121031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20120707
EP1811881 B1	20121031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20120307
EP1811881 B1	20121130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20120307
EP1811881 B1	20121130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : TR PAYMENT DATE : 20120731 YEAR OF FEE PAYMENT : 8
EP1811881 B1	20130131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20120307
EP1811881 B1	20130131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20120912 YEAR OF FEE PAYMENT : 8
EP1811881 B1	20130213	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20121210
EP1811881 B1	20130404	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602005033067 COUNTRY OF REF DOCUMENT : DE

EFFECTIVE DATE : 20121210					
EP1811881 B1	20130430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : MC NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20120930
EP1811881 B1	20130619	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP1811881 B1	20130731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : BG NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20120607
EP1811881 B1	20130731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : IE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20120909
EP1811881 B1	20131031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20130311 YEAR OF FEE PAYMENT : 9
EP1811881 B1	20131031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20130813 YEAR OF FEE PAYMENT : 9
EP1811881 B1	20131031	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20130828 YEAR OF FEE PAYMENT : 9
EP1811881 B1	20131129	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20130904 YEAR OF FEE PAYMENT : 9
EP1811881 B1	20140331	LSLE	-BERE	BE: LAPSED	PARTY TYPE : OWNER REF COUNTRY CODE : EP OWNER : NESTEC S.A. EFFECTIVE DATE : 20130930
EP1811881 B1	20140530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LU NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20120909
EP1811881 B1	20140731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : HU NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20050909
EP1811881 B1	20140731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : BE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20130930
EP1811881 B1	20150317	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : PT REF LEGAL EVENT CODE : MM4A TEXT : LAPSE DUE TO NON-PAYMENT OF FEES EFFECTIVE DATE : 20150309
EP1811881 B1	20150430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : PT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150309

EP1811881 B1	20150515	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MM01 REF DOCUMENT NUMBER : 547971 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20140909
EP1811881 B1	20150527	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20140909
EP1811881 B1	20150629	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 11
EP1811881 B1	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140909
EP1811881 B1	20150831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140909
EP1811881 B1	20150930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20130909
EP1811881 B1	20151027	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FD2A EFFECTIVE DATE : 20151027
EP1811881 B1	20151030	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20150911 YEAR OF FEE PAYMENT : 11
EP1811881 B1	20151130	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20150629 YEAR OF FEE PAYMENT : 11
EP1811881 B1	20160129	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20150925 YEAR OF FEE PAYMENT : 11
EP1811881 B1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20140910
EP1811881 B1	20160229	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20150909 YEAR OF FEE PAYMENT : 11
EP1811881 B1	20170428	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP1811881 B1	20170630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20161001
EP1811881 B1	20170630	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20170531
EP1811881 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160930

EP1811881 B1	20170731	LSLE	-PG25	INFORM. FROM NAT. OFFICE TO EPO LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : FR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160930
EP1811881 B1	20170731	LSLE	-PG25	INFORM. FROM NAT. OFFICE TO EPO LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : CH NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160930
EP1811881 B1	20170831	LSLE	-PG25	INFORM. FROM NAT. OFFICE TO EPO LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : IT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160909
EP1811881 B1	20171031	LSFE	+PGFP	POSTGRANT : ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170905 YEAR OF FEE PAYMENT : 13
EP1811881 B1	20250909	PEXP		Calculated Patent Term Expiry	
EP1830683 A2	20070912	LSPB	+	published / reissued	
EP1830683 A2	20071121	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20071005
EP1830683 A2	20090422	LSSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20090320
EP1830683 A2	20130424	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP1830683 A2	20130430	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1830683 A2	20130515	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 608050 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20130515
EP1830683 A2	20130522	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP1830683 A2	20130627	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602005039299 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20130627
EP1830683 A2	20130925	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP1830683 A2	20131009	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : VDEP EFFECTIVE DATE : 20130424
EP1830683 A2	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : GR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130725
EP1830683 A2	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : SI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130424

EP1830683 A2	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130424
EP1830683 A2	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130424
EP1830683 A2	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130824
EP1830683 A2	20131031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130424
EP1830683 A2	20131108	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : GR REF DOCUMENT NUMBER : 1112167 COUNTRY OF REF DOCUMENT : HK
EP1830683 A2	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130724
EP1830683 A2	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130424
EP1830683 A2	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130424
EP1830683 A2	20131129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130424
EP1830683 A2	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130424
EP1830683 A2	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20130424
EP1830683 A2	20140131	LSLE	-PG25	LAPSED IN A	COUNTRY OF REF DOCUMENT : CZ

				CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20130424
EP1830683 A2	20140131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20130424
EP1830683 A2	20140131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20131108 YEAR OF FEE PAYMENT : 9
EP1830683 A2	20140131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20131030 YEAR OF FEE PAYMENT : 9
EP1830683 A2	20140131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20131112 YEAR OF FEE PAYMENT : 9
EP1830683 A2	20140131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : PT PAYMENT DATE : 20131106 YEAR OF FEE PAYMENT : 9
EP1830683 A2	20140131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20131028 YEAR OF FEE PAYMENT : 9
EP1830683 A2	20140131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20131106 YEAR OF FEE PAYMENT : 9
EP1830683 A2	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20130424
EP1830683 A2	20140228	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20130424
EP1830683 A2	20140228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20131119 YEAR OF FEE PAYMENT : 9
EP1830683 A2	20140228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20131113 YEAR OF FEE PAYMENT : 9
EP1830683 A2	20140228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20131011 YEAR OF FEE PAYMENT : 9
EP1830683 A2	20140402	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20140127
EP1830683 A2	20140508	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602005039299 COUNTRY OF REF DOCUMENT : DE EFFECTIVE DATE : 20140127
EP1830683 A2	20140731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE

				INFORM. FROM NAT. OFFICE TO EPO	WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20130424
EP1830683 A2	20140827	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP1830683 A2	20141031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : IE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20131107
EP1830683 A2	20150514	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : PT REF LEGAL EVENT CODE : MM4A TEXT : LAPSE DUE TO NON-PAYMENT OF FEES EFFECTIVE DATE : 20150507
EP1830683 A2	20150602	LSDW	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R119 REF DOCUMENT NUMBER : 602005039299 COUNTRY OF REF DOCUMENT : DE
EP1830683 A2	20150630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : BE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141130
EP1830683 A2	20150630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : TR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20130424
EP1830683 A2	20150630	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP1830683 A2	20150715	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MM01 REF DOCUMENT NUMBER : 608050 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20141107
EP1830683 A2	20150729	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON- PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20141107
EP1830683 A2	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT; INVALID AB INITIO LAPSED DATE : 20051107
EP1830683 A2	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150507
EP1830683 A2	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141130
EP1830683 A2	20150731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20131107
EP1830683 A2	20150731	LSLE	-PG25	LAPSED IN A	COUNTRY OF REF DOCUMENT : CH

				CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141130
EP1830683 A2	20150828	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST EFFECTIVE DATE : 20150731
EP1830683 A2	20150831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141107
EP1830683 A2	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : GB NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141107
EP1830683 A2	20151030	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : DE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20150602
EP1830683 A2	20151130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : FR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141201
EP1830683 A2	20151229	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FD2A EFFECTIVE DATE : 20151229
EP1830683 A2	20151231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141107
EP1830683 A2	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20141108
EP1830683 B1	20130424	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1830683 B1	20251107	PEXP		Calculated Patent Term Expiry	
EP2218378 A2	20100818	LSPB	+	published / reissued	
EP2218378 A3	20140730	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A47J 31/44 20060101AFI20140626BHEP
EP2218378 A3	20140730	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A47J 31/36 20060101ALI20140626BHEP
EP2218378 A3	20150311	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20150130
EP2218378 A3	20151202	LSES	+17Q	FIRST EXAMINATION REPORT	EFFECTIVE DATE : 20151102
EP2218378 A3	20170407	LSWD	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : HK REF LEGAL EVENT CODE : WD REF DOCUMENT NUMBER : 1145617 COUNTRY OF REF DOCUMENT : HK
EP2218378 A3	20171018	LSAS	RAP1	TRANSFER OF RIGHTS OF AN	PARTYTYPE : OWNER OWNER : NESTEC S.A.

APPLICATION					
EP2218378 A3	20171108	LSGT	+INTG	ANNOUNCEMENT OF INTENTION TO GRANT	EFFECTIVE DATE : 20171011
EP2218378 B1	20180328	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2218378 B1	20180328	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2218378 B1	20180329	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2218378 B1	20180415	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 982605 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20180415
EP2218378 B1	20180419	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602005053742 COUNTRY OF REF DOCUMENT : DE
EP2218378 B1	20250909	PEXP		Calculated Patent Term Expiry	
ES2360218 T3	20110601	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2360218 T3	20241111	PEXP		Calculated Patent Term Expiry	
ES2381017 T3	20120522	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2381017 T3	20250909	PEXP		Calculated Patent Term Expiry	
ES2421310 T3	20130830	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2421310 T3	20251107	PEXP		Calculated Patent Term Expiry	
HK1087311 A1	20110506	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1087311 A1	20150605	LSLE	-PC	PATENT CEASED (I.E. PATENT HAS LAPSED DUE TO THE FAILURE TO PAY THE RENEWAL FEE)	EFFECTIVE DATE : 20141111
HK1087311 A1	20260710	PEXP		Calculated Patent Term Expiry	
HK1087311 A3	20061013	LSPB	+	published / reissued	
HK1112165 A1	20120727	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1112165 A1	20160401	LSLE	-PC	PATENT CEASED (I.E. PATENT HAS LAPSED DUE TO THE FAILURE TO PAY THE RENEWAL FEE)	EFFECTIVE DATE : 20150909
HK1112165 A1	20280125	PEXP		Calculated Patent Term Expiry	
HK1112165 A3	20080829	LSPB	+	published / reissued	
HK1112167 A1	20131108	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1112167 A1	20280125	PEXP		Calculated Patent Term Expiry	
HK1112167 A3	20080829	LSPB	+	published / reissued	

HR20070160 A2	20070531	LSPB	+	published / reissued	
HR20070199 A2	20070630	LSPB	+	published / reissued	
IL182545 A1	20101230	LSPB	+	published / reissued	
IL182545 A1	20110731	LSFE	+KB	PATENT RENEWED	
IL182545 A1	20111130	LSFE	+KB	PATENT RENEWED	
IL182545 A1	20160630	LSLE	-MM9K	PATENT NOT IN FORCE DUE TO NON-PAYMENT OF RENEWAL FEES	
IL182810 A1	20101230	LSPB	+	published / reissued	
IL182810 A1	20110731	LSFE	+KB	PATENT RENEWED	
IL182810 A1	20110831	LSFE	+KB	PATENT RENEWED	
IL182810 A1	20160421	LSLE	-MM9K	PATENT NOT IN FORCE DUE TO NON-PAYMENT OF RENEWAL FEES	
IN03432DN2007 A	20070831	LSPB	+	published / reissued	
IN03556DN2007 A	20070831	LSPB	+	published / reissued	
JP2008519587 T2	20080612	LSPB	+	published / reissued	
JP2008519587 T2	20081025	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20081024
JP2008519587 T2	20100407	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20100406
JP2008519587 T2	20100727	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20100726
JP2008519587 T2	20100825	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20100824
JP2008519587 T2	20101021	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20101020
JP2008519587 T2	20101109	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2008519587 T2	20101117	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20101116
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JP2008519587 T2	20101125	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20101118
JP2008519587 T2	20101126	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150
JP2008519587 T2	20101129	LSFE	+FPAY	RENEWAL FEE PAYMENT (EVENT DATE IS RENEWAL DATE OF DATABASE)	YEAR OF FEE PAYMENT : 3

JP2008519618 T2	20080612	LSPB	+	published / reissued	
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JP2008519618 T2	20110406	LSSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20110405
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JP4634463 B2	20110216	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4634463 B2	20110223	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4634463 B2	20141126	LSLE	-LAPS	CANCELLATION BECAUSE OF NO PAYMENT OF ANNUAL FEES	
JP4634463 B2	20141126	LSLE	-LAPS	CANCELLATION BECAUSE OF NO PAYMENT OF ANNUAL FEES	
JP4634463 B2	20251107	PEXP		Calculated Patent Term Expiry	
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JP4884393 B2	20120229	LSGT	+	granted / extensions (spc, cpc, pte)	
JP4884393 B2	20141216	LSLE	-LAPS	CANCELLATION BECAUSE OF NO PAYMENT OF ANNUAL FEES	
JP4884393 B2	20250909	PEXP		Calculated Patent Term Expiry	
KR101268683 B1	20130529	LSGT	+	granted / extensions (spc, cpc, pte)	
KR101268683 B1	20101104	LSSES	A201	REQUEST FOR EXAMINATION	
KR101268683 B1	20120725	LSSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR101268683 B1	20130227	LSGT	+E701	DECISION TO GRANT OR REGISTRATION	

KR101268683 B1	20130522	LSGT	+GRNT	OF PATENT RIGHT WRITTEN DECISION TO GRANT
KR101268683 B1	20160523	LSLE	-LAPS	LAPSE DUE TO UNPAID ANNUAL FEE
KR101268683 B1	20251107	PEXP		Calculated Patent Term Expiry
KR20070084130 A	20070824	LSPB	+	published / reissued
KR20070084160 A	20070824	LSPB	+	published / reissued
KR20070084160 A	20100907	LSSES	A201	REQUEST FOR EXAMINATION
KR20070084160 A	20120928	LSRV	-E601	DECISION TO REFUSE APPLICATION
MA29003 B1	20071101	LSGT	+	granted / extensions (spc, cpc, pte)
MA29003 B1	20270503	PEXP		Calculated Patent Term Expiry
MA29010 B1	20071101	LSGT	+	granted / extensions (spc, cpc, pte)
MA29010 B1	20270509	PEXP		Calculated Patent Term Expiry
MX2007005584 A1	20070705	LSPB	+	published / reissued
MX2007005584 A1	20111208	LSGT	+FG	GRANT OR REGISTRATION
MX2007005641 A1	20070709	LSPB	+	published / reissued
MX2007005641 A1	20110314	LSGT	+FG	GRANT OR REGISTRATION
NO20072970 A	20070807	LSPB	+	published / reissued
NO20072970 A	20130422	LSRV	-FC2A	WITHDRAWAL, REJECTION OR DISMISSAL OF LAID OPEN PATENT APPLICATION
NO20072979 A	20070611	LSPB	+	published / reissued
NO20072979 A	20150622	LSRV	-FC2A	WITHDRAWAL, REJECTION OR DISMISSAL OF LAID OPEN PATENT APPLICATION
PT1656863 T	20110322	LSGT	+	granted / extensions (spc, cpc, pte)
PT1656863 T	20241111	PEXP		Calculated Patent Term Expiry
PT1811881 T	20120412	LSGT	+	granted / extensions (spc, cpc, pte)
PT1811881 T	20250909	PEXP		Calculated Patent Term Expiry
PT1830683 T	20130716	LSGT	+	granted / extensions (spc, cpc, pte)
PT1830683 T	20251107	PEXP		Calculated Patent Term Expiry
RU2007121669 A	20081220	LSPB	+	published / reissued
RU2007121689 A	20081220	LSPB	+	published / reissued
RU2378971 C2	20100120	LSGT	+	granted / extensions (spc,

RU2378971 C2	20150820	LSLE	-MM4A	cpc, pte) THE PATENT IS INVALID DUE TO NON-PAYMENT OF FEES	EFFECTIVE DATE : 20141108
RU2378971 C2	20251107	PEXP		Calculated Patent Term Expiry	
RU2393753 C2	20100710	LSGT	+	granted / extensions (spc, cpc, pte)	
RU2393753 C2	20150710	LSLE	-MM4A	THE PATENT IS INVALID DUE TO NON-PAYMENT OF FEES	EFFECTIVE DATE : 20140910
RU2393753 C2	20250909	PEXP		Calculated Patent Term Expiry	
SG156693 A1	20091126	LSPB	+	published / reissued	
SG157370 A1	20091229	LSPB	+	published / reissued	
TN2007000179 A1	20081121	LSPB	+	published / reissued	
TN2007000180 A1	20081121	LSPB	+	published / reissued	
TNSN07179 A1	20081121	LSPB	+	published / reissued	
TNSN07180 A1	20081121	LSPB	+	published / reissued	
TW200635548 A	20061016	LSPB	+	published / reissued	
TWI299984 B	20080821	LSGT	+	granted / extensions (spc, cpc, pte)	
TWI299984 B	20150521	LSLE	-MM4A	ANNULMENT OR LAPSE OF PATENT DUE TO NON-PAYMENT OF FEES	
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US2007209521 AA	20070913	LSPB	+	published / reissued	
US2007242561 AA	20071018	LSPB	+	published / reissued	
US2010128557 AA	20100527	LSPB	+	published / reissued	
US2010128557 AA	20140527	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2010159097 AA	20100624	LSPB	+	published / reissued	
US2010159097 AA	20120825	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NESTEC S.A., SWITZERLAND OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:BOUSSEMARY, CHRISTOPHE S.; AGON, FABIEN LUDOVIC; RYSER, ANTOINE; REEL/FRAME:028848/0488 EFFECTIVE DATE : 20070508
US7681491 BB	20100323	LSGT	+	granted / extensions (spc, cpc, pte)	
US7681491 BB	20070612	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NESTEC S.A., SWITZERLAND OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:AGON, FABIEN LUDOVIC; BOUSSEMARY, CHRISTOPHE S.; YOAKIM, ALFRED; AND OTHERS; REEL/FRAME:019413/0805; SIGNING DATES FROM 20070416 TO 20070423
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					OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:AGON, FABIEN LUDOVIC; BOUSSEMARY, CHRISTOPHE S.; YOAKIM, ALFRED; AND OTHERS; SIGNING DATES FROM 20070416 TO 20070423; REEL/FRAME:019413/0805
US7681491 BB	20070613	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NESTEC S.A., SWITZERLAND OLDPARTY : CORRECTIVE ASSIGNMENT TO CORRECT THE ATTORNEY DOCKET NO. TO 88265- 7823 ON NOTICE OF RECORDATION PREVIOUSLY RECORDED ON REEL 019413 FRAME 0805; ASSIGNORS:AGON, FABIEN LUDOVIC; BOUSSEMARY, CHRISTOPHE S.; YOAKIM, ALFRED; AND OTHERS; REEL/FRAME:019420/0118; SIGNING DATES FROM 20070416 TO 20070423
US7681491 BB	20070613	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NESTEC S.A.,SWITZERLAND OLDPARTY : CORRECTIVE ASSIGNMENT TO CORRECT THE ATTORNEY DOCKET NO. TO 88265- 7823 ON NOTICE OF RECORDATION PREVIOUSLY RECORDED ON REEL 019413 FRAME 0805. ASSIGNOR(S) HEREBY CONFIRMS THE CORRECTIVE ASSIGNMENT NOTICE; ASSIGNORS:AGON, FABIEN LUDOVIC; BOUSSEMARY, CHRISTOPHE S.; YOAKIM, ALFRED; AND OTHERS; SIGNING DATES FROM 20070416 TO 20070423; REEL/FRAME:019420/0118
US7681491 BB	20100303	LSGT	PAT1	Patented Case	
US7681491 BB	20130828	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7681491 BB	20171106	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.)
US7681491 BB	20280328	PEXP		Calculated Patent Term Expiry (PTA 330 days)	
US7707927 BB	20100504	LSGT	+	granted / extensions (spc, cpc, pte)	
US7707927 BB	20070613	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NESTEC S.A., SWITZERLAND OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:BOUSSEMARY, CHRISTOPHE S.; AGON, FABIEN LUDOVIC; RYSER, ANTOINE; REEL/FRAME:019424/0641 EFFECTIVE DATE : 20070508
US7707927 BB	20070613	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : NESTEC S.A.,SWITZERLAND OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:BOUSSEMARY, CHRISTOPHE S.; AGON, FABIEN LUDOVIC; RYSER, ANTOINE; REEL/FRAME:019424/0641 EFFECTIVE DATE : 20070508
US7707927 BB	20100414	LSGT	PAT1	Patented Case	
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WO06050769 A3	20070425	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2005791674 COUNTRY OF REF DOCUMENT : EP
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WO06050769 A3	20070504	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2005304129 COUNTRY OF REF DOCUMENT : AU
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WO06050769 A3	20070510	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : MX/A/2007/005641 COUNTRY OF REF DOCUMENT : MX
WO06050769 A3	20070511	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 200580038680.5 COUNTRY OF REF DOCUMENT : CN
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WO06050769 A3	20070801	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2005791674 COUNTRY OF REF DOCUMENT : EP
WO06050769 A3	20070913	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 11745234 COUNTRY OF REF DOCUMENT : US
WO06050769 A3	20081007	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : PI0517471 COUNTRY OF REF DOCUMENT : BR
WO06050881 A2	20060518	LSPB	+	published / reissued	
WO06050881 A3	20070405	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2005812141 COUNTRY OF REF DOCUMENT : EP

WO06050881 A3	20070412	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 182545 COUNTRY OF REF DOCUMENT : IL
WO06050881 A3	20070412	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : P20070160A COUNTRY OF REF DOCUMENT : HR
WO06050881 A3	20070416	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2005303987 COUNTRY OF REF DOCUMENT : AU
WO06050881 A3	20070419	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2007540551 COUNTRY OF REF DOCUMENT : JP
WO06050881 A3	20070425	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2585303 COUNTRY OF REF DOCUMENT : CA
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WO06050881 A3	20070509	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : MX/A/2007/005584 COUNTRY OF REF DOCUMENT : MX
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WO06050881 A3	20070511	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 200580038686.2 COUNTRY OF REF DOCUMENT : CN
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ZA200705049 A	20080925	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA200705049 A	20270607	PEXP		Calculated Patent Term Expiry	

Title: DEVICE FOR HANDLING A POWDERY PRODUCT

Abstract: The present invention relates to a device for handling a powdery product. The device is composed of a reusable crucible (5) for charging the powdery product (4) into a unit for the production of hot liquid under pressure, the liquid passing out of the unit through an outflow pipe. During filling of the crucible (5), the crucible (5) is attached to a clamp (9) which, when connected to the crucible (5), forms a spoon (1). The resulting spoon (1) is designed to be filled by hand by plunging the crucible (5) into the powdery product (4) stored in a container (10). The spoon (1) is mechanically independent of the outflow pipe of the unit. The connection between the clamp (9) and the crucible (5) lies approximately in the plane containing the perimeter of the opening (13) of the crucible (5). The exterior of the bowl (5) of the spoon (1), beneath the plane containing the perimeter of the opening (13) of the crucible (5) has no reliefs or depressions that could trap the powdery product (4) when the crucible (5) is plunged into it. The interior of the bottom of the spoon (1) includes a zone for the passage of the hot liquid under pressure.

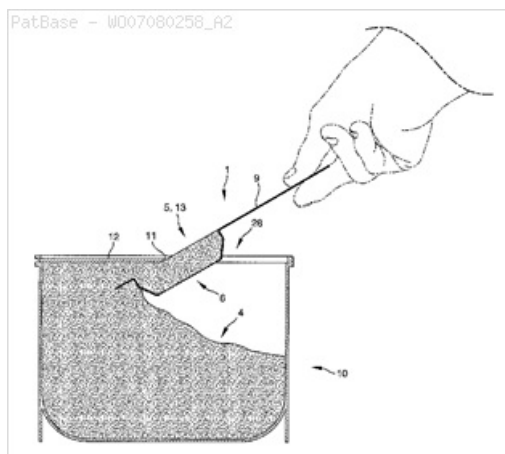
Classifications:**International (IPC 8-9):** A47J31/06 A47J31/40

A47J31/44 (Advanced/Invention);

A47J31/06 A47J31/40 A47J31/44 (Core/Invention)

CPC: A47J31/0663 A47J31/44 A47J31/4464 A47J47/04**European:** A47J31/06B A47J31/06C A47J31/06P2 A47J31/08

A47J31/44 A47J31/44A4B A47J47/04

**Family:**

Publication number	Publication date	Application number	Application date
FR2880785 A1	20060721	FR20050012885	20051219
FR2883464 A1	20060929	FR20060004192	20060511
WO07080258 A2	20070719	WO2006FR02704	20061212
WO07080258 A3	20071101	WO2006FR02704	20061212

Priority:

FR20050012885 20051219 FR20060004192 20060511

Probable Assignee: POULOUIN ARMAND**Assignee(s):** (std): POULOUIN ARMAND**Inventor(s):** (std): POULOUIN ARMAND

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 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 MG MK ML MN MR 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

Legal status (INPADOC)[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
FR2880785 A1	20060721	LSPB	+	published / reissued	
FR2883464 A1	20060929	LSPB	+	published / reissued	
FR2883464 A1	20080307	LSLE	-ST	NOTIFICATION OF LAPSE	EFFECTIVE DATE : 20080131
WO07080258 A2	20070719	LSPB	+	published / reissued	
WO07080258 A3	20080620	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO07080258 A3	20090114	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 06841909 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) :

Title: PACKAGE ASSEMBLY FOR FORMING BEVERAGE PODS

Abstract: Source: US2007144356A [EN] A compact and lightweight personal pod making system is provided. The pod making system has a base for receiving a pod packaging material and a sealing tool pivotably connected to the base. The system can be used at home, in the office and even outdoors. A pod package assembly that can be used in conjunction with the personal pod making system is also provided. The pod package assembly can include a cup-like holder that is hingedly connected to a cover so that it is relatively easy for users to align the cover when sealing the pod.

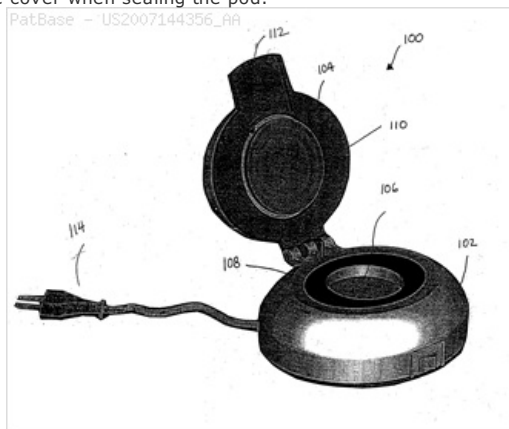
Classifications:

International (IPC 8-9): A01K43/00 A23F5/26 A23G1/10 A47G19/16 A47J31/00 A47J31/02 A47J31/04 A47J31/047 A47J31/057 A47J31/06 A47J31/08 A47J31/10 A47J31/36 A47J31/40 A47J31/42 A47J31/44 A47J31/46 B30B1/00 B31B1/74 B65B29/02 B65B67/02 B65D3/02 B65D81/34 B65D85/804 B65D85/808 (Advanced/Invention); B65B29/02 B65D85/00 (Advanced/Non-invention); A47G19/00 A47J31/06 B65B29/00 B65D81/34 B65D85/804 (Core/Invention); B65D85/00 (Core/Non-invention); A47J (Subclass/Invention)

CPC: A47J31/4482 B65D85/804 A47J31/057 A47J31/4407 A47J31/407 B65D85/8043 A23F5/26 A23F5/262 A47J31/06 A47J31/061 A47J31/0631 A47J31/0663 A47J31/3623 A47J31/3628 A47J31/3671 B65D2203/10 A47J31/4403 A47J31/047 A47J31/446 A47J31/0647 B65B29/022 B65B29/025 A47J31/085 B65D85/8046 A47J31/0668 A47J31/0678 A47J31/0689 A47J31/3676 A47J31/3695 A47J31/4492 A47J31/08 A47J31/44 B65B29/02 B65B67/02 A47J31/0642 A47J31/0684 A47J31/4425

European: A47J31/057 A47J31/06M A47J31/06P4 A47J31/06P6 A47J31/08 A47J31/08B A47J31/44 A47J31/44A1 A47J31/44A4 B65B29/02 B65B67/02 B65D85/804B1

US: 1/1 100/211 100/227 100/228 100/265 100/268 206/0.5 229/404 426/431 426/433 426/77 493/84 53/467 99/111 99/112 99/113 99/115 99/119 99/281 99/281P 99/285 99/286 99/287 99/287P 99/288 99/288S 99/289R 99/290 99/295 99/295S 99/300 99/302P 99/316 99/320 R 99/320R 99/323 99/394 99/77 99/84



Family:

Publication number	Publication date	Application number	Application date
CA2677859 AA	20071108	CA20072677859	20070316
CA2677859 C	20150901	CA20072677859	20070316
CA2779263 AA	20110505	CA20102779263	20101030
CA2779263 C	20160510	CA20102779263	20101030
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Priority:

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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

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CA2677859 AA	20071108	LSPB	+	published / reissued	
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EP2493357 A2	20160229	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE		COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20151119 YEAR OF FEE PAYMENT : 6
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EP2493357 A4	20130619	LSRE	RIC1	CLASSIFICATION (CORRECTION)		CLASSIFICATION SCHEME : IPC CLASSIFICATION SYMBOL : A47J 31/02 20060101ALI20130516BHEP
EP2493357 A4	20130619	LSRE	RIC1	CLASSIFICATION (CORRECTION)		CLASSIFICATION SCHEME : IPC CLASSIFICATION SYMBOL : A47J 31/44 20060101ALI20130516BHEP
EP2493357 A4	20130619	LSRE	RIC1	CLASSIFICATION (CORRECTION)		CLASSIFICATION SCHEME : IPC CLASSIFICATION SYMBOL : A47J 31/36 20060101AFI20130516BHEP
EP2493357 A4	20130619	LSRE	RIC1	CLASSIFICATION (CORRECTION)		CLASSIFICATION SCHEME : IPC CLASSIFICATION SYMBOL : A47J 31/06 20060101ALI20130516BHEP

EP2493357 A4	20150225	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A47J 31/44 20060101ALI20150121BHEP
EP2493357 A4	20150225	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A47J 31/02 20060101ALI20150121BHEP
EP2493357 A4	20150225	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A47J 31/36 20060101AFI20150121BHEP
EP2493357 A4	20150225	LSRE	RIC1	CLASSIFICATION (CORRECTION)	CLASSIFICATIONSCHEME : IPC CLASSIFICATIONSYMBOL : A47J 31/06 20060101ALI20150121BHEP
EP2493357 A4	20150422	LSGT	+INTG	ANNOUNCEMENT OF INTENTION TO GRANT	EFFECTIVE DATE : 20150324
EP2493357 B1	20150902	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2493357 B1	20150902	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2493357 B1	20150915	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2493357 B1	20150915	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 745994 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20150915
EP2493357 B1	20150923	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP2493357 B1	20151015	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602010027270 COUNTRY OF REF DOCUMENT : DE
EP2493357 B1	20151119	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 6
EP2493357 B1	20160115	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : MK05 REF DOCUMENT NUMBER : 745994 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20150902
EP2493357 B1	20160129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20150902
EP2493357 B1	20160129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20150902
EP2493357 B1	20160129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20150902
EP2493357 B1	20160129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE	COUNTRY OF REF DOCUMENT : NO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT

				ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20151202
EP2493357 B1	20160129	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20151203
EP2493357 B1	20160210	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2493357 B1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : PL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20150902
EP2493357 B1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20150902
EP2493357 B1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20150902
EP2493357 B1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20150902
EP2493357 B1	20160229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : RS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20150902
EP2493357 B1	20160429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20150902
EP2493357 B1	20160429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20150902
EP2493357 B1	20160429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20150902
EP2493357 B1	20160429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT

				EPO	LAPSED DATE : 20150902
EP2493357 B1	20160429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : IS NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160102
EP2493357 B1	20160429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150902
EP2493357 B1	20160531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150902
EP2493357 B1	20160531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : PT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160104
EP2493357 B1	20160531	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP2493357 B1	20160603	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602010027270 COUNTRY OF REF DOCUMENT : DE
EP2493357 B1	20160630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150902
EP2493357 B1	20160727	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2493357 B1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20151031
EP2493357 B1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20151031
EP2493357 B1	20160810	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20160603
EP2493357 B1	20160831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : DK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150902
EP2493357 B1	20160831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150902

EP2493357 B1	20161017	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 7
EP2493357 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : IE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20151030
EP2493357 B1	20161230	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : BE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150902
EP2493357 B1	20170131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20161021 YEAR OF FEE PAYMENT : 7
EP2493357 B1	20170131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20161018 YEAR OF FEE PAYMENT : 7
EP2493357 B1	20170131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20161017 YEAR OF FEE PAYMENT : 7
EP2493357 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : SM NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150902
EP2493357 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : BG NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150902
EP2493357 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : HU NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT; INVALID AB INITIO LAPSED DATE : 20101030
EP2493357 B1	20170630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : CY NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150902
EP2493357 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : HR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150902
EP2493357 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : MT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20150902
EP2493357 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : TR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT

				EPO	LAPSED DATE : 20150902
EP2493357 B1	20171005	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 8
EP2493357 B1	20171130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO	COUNTRY OF REF DOCUMENT : LU NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20151030
EP2493357 B1	20180131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20171017 YEAR OF FEE PAYMENT : 8
EP2493357 B1	20180131	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20171005 YEAR OF FEE PAYMENT : 8
EP2493357 B1	20180228	LSFE	+PGFP	POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20171004 YEAR OF FEE PAYMENT : 8
EP2493357 B1	20301030	PEXP		Calculated Patent Term Expiry	
HK1175969 A1	20160205	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1175969 A1	20330319	PEXP		Calculated Patent Term Expiry	
US2007144356 AA	20070628	LSPB	+	published / reissued	
US2007144356 AA	20150630	LSAL	APL5	On Appeal -- Awaiting Decision by the Board of Appeals	
US2007144356 AA	20171115	LSAL	BDR1	Board of Appeals Decision Rendered	
US2007144356 AA	20171122	LSAL	ABA1	Amendment / Argument after Board of Appeals Decision	
US2007144356 AA	20180216	LSES	+NAM1	Notice of Allowance Mailed - - Application Received in Office of Publications	
US2007144357 AA	20070628	LSPB	+	published / reissued	
US2011100228 AA	20110505	LSPB	+	published / reissued	
US2011100228 AA	20150421	LSAL	APL5	On Appeal -- Awaiting Decision by the Board of Appeals	
US2011100228 AA	20170825	LSAL	BDR1	Board of Appeals Decision Rendered	
US2011100228 AA	20170928	LSES	+NAM1	Notice of Allowance Mailed - - Application Received in Office of Publications	
US2011100228 AA	20171114	LSFE	+PPR1	Publications -- Issue Fee Payment Received	
US2011100228 AA	20171115	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2011100229 AA	20110505	LSPB	+	published / reissued	
US2011113969 AA	20110519	LSPB	+	published / reissued	
US2011117248 AA	20110519	LSPB	+	published / reissued	
US2011117248 AA	20150526	LSAL	APL5	On Appeal -- Awaiting Decision by the Board of Appeals	

US2011117248 AA	20170522	LSAL	BDR1	Board of Appeals Decision Rendered	
US2011117248 AA	20170825	LSSES	+ALW2	Allowed -- Notice of Allowance Not Yet Mailed	
US2011117248 AA	20170828	LSSES	+NAM1	Notice of Allowance Mailed - - Application Received in Office of Publications	
US2011117248 AA	20170919	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2011274802 AA	20111110	LSPB	+	published / reissued	
US2012207895 AA	20120816	LSPB	+	published / reissued	
US2012207896 AA	20120816	LSPB	+	published / reissued	
US2012276264 AA	20121101	LSPB	+	published / reissued	
US2013061764 AA	20130314	LSPB	+	published / reissued	
US2013061764 AA	20171014	LSSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2013061764 AA	20171031	LSSES	NFA1	Non Final Action Mailed	
US2013068108 AA	20130321	LSPB	+	published / reissued	
US2014290493 AA	20141002	LSPB	+	published / reissued	
US2015068404 AA	20150312	LSPB	+	published / reissued	
US2015068404 AA	20180108	LSSES	+ALW2	Allowed -- Notice of Allowance Not Yet Mailed	
US2015068404 AA	20180110	LSSES	+NAM1	Notice of Allowance Mailed - - Application Received in Office of Publications	
US2015068404 AA	20180117	LSFE	+PPR1	Publications -- Issue Fee Payment Received	
US2015068404 AA	20180122	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2015264955 AA	20150924	LSPB	+	published / reissued	
US2015374165 AA	20151231	LSPB	+	published / reissued	
US2015374165 AA	20170503	LSSES	+NAM1	Notice of Allowance Mailed - - Application Received in Office of Publications	
US2015374165 AA	20170809	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2016150909 AA	20160602	LSPB	+	published / reissued	
US2016157659 AA	20160609	LSPB	+	published / reissued	
US2016157660 AA	20160609	LSPB	+	published / reissued	
US2016206133 AA	20160721	LSPB	+	published / reissued	
US2016242589 AA	20160825	LSPB	+	published / reissued	
US2016242589 AA	20170727	LSSES	NFA1	Non Final Action Mailed	
US2016242589 AA	20180314	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : RIVERA, ADRIAN,

CALIFORNIA
 OLDPARTY : ASSIGNMENT OF
 ASSIGNORS INTEREST;
 ASSIGNOR:GREEN, KENNETH L;
 REEL/FRAME:045210/0462
 EFFECTIVE DATE : 20180309

US2016242589 AA	20180402	LSSES	ADV2	Advisory Action Counted, Not Yet Mailed	
US2016242589 AA	20180403	LSSES	ADV1	Advisory Action Mailed	
US2018050861 AA	20180222	LSPB	+	published / reissued	
US7685931 BB	20100330	LSGT	+	granted / extensions (spc, cpc, pte)	
US7685931 BB	20100310	LSGT	PAT1	Patented Case	
US7685931 BB	20130920	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US7685931 BB	20171113	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.)
US7685931 BB	20180328	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : 7.5 YR SURCHARGE - LATE PMT W/IN 6 MO, SMALL ENTITY (ORIGINAL EVENT CODE: M2555)
US7685931 BB	20180328	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US7685931 BB	20270408	PEXP		Calculated Patent Term Expiry (PTA 376 days)	
US8291812 BB	20121023	LSGT	+	granted / extensions (spc, cpc, pte)	
US8291812 BB	20121003	LSGT	PAT1	Patented Case	
US8291812 BB	20131210	LSOP	IPR	AIA TRIAL PROCEEDING FILED BEFORE THE PATENT AND APPEAL BOARD: INTER PARTES REVIEW	PARTYTYPE : OPPONENT OPPONENT : GUANGDONG XINBAO ELECTRICAL APPLIANCES HOLDINGS CO OLDPARTY : TRIAL NO: IPR2014- 00042 EFFECTIVE DATE : 20131009
US8291812 BB	20151218	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8291812 BB	20310112	PEXP		Calculated Patent Term Expiry (PTA 421 days and a terminal disclaimer has been filed)	
US8621981 BB	20140107	LSGT	+	granted / extensions (spc, cpc, pte)	
US8621981 BB	20131218	LSGT	PAT1	Patented Case	
US8621981 BB	20170707	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8621981 BB	20310731	PEXP		Calculated Patent Term Expiry (PTA 639 days)	
US8720320 BA	20140513	LSGT	+	granted / extensions (spc, cpc, pte)	
US8720320 BA	20140423	LSGT	PAT1	Patented Case	
US8720320 BA	20171109	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8720320 BA	20291022	PEXP		Calculated Patent Term Expiry (PTA 832 days)	
US8794125 BA	20140805	LSGT	+	granted / extensions (spc, cpc, pte)	
US8794125 BA	20140716	LSGT	PAT1	Patented Case	
US8794125 BA	20180319	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : MAINTENANCE FEE REMINDER MAILED (ORIGINAL EVENT CODE: REM.)
US8794125 BA	20320704	PEXP		Calculated Patent Term Expiry (PTA 291 days)	

US9113747 BB	20150825	LSGT	+	granted / extensions (spc, cpc, pte)
US9113747 BB	20150805	LSGT	PAT1	Patented Case
US9113747 BB	20330707	PEXP		Calculated Patent Term Expiry (PTA 244 days)
US9179797 BB	20151110	LSGT	+	granted / extensions (spc, cpc, pte)
US9179797 BB	20151021	LSGT	PAT1	Patented Case
US9179797 BB	20340513	PEXP		Calculated Patent Term Expiry (PTA 1082 days)
US9232871 BB	20160112	LSGT	+	granted / extensions (spc, cpc, pte)
US9232871 BB	20151207	LSFE	+PPV1	Publications -- Issue Fee Payment Verified
US9232871 BB	20151222	LSGT	PAT1	Patented Case
US9232871 BB	20320330	PEXP		Calculated Patent Term Expiry
US9232872 BB	20160112	LSGT	+	granted / extensions (spc, cpc, pte)
US9232872 BB	20151204	LSFE	+PPV1	Publications -- Issue Fee Payment Verified
US9232872 BB	20151222	LSGT	PAT1	Patented Case
US9232872 BB	20320711	PEXP		Calculated Patent Term Expiry
US9242790 BB	20160126	LSGT	+	granted / extensions (spc, cpc, pte)
US9242790 BB	20151202	LSFE	+PPR1	Publications -- Issue Fee Payment Received
US9242790 BB	20151216	LSFE	+PPV1	Publications -- Issue Fee Payment Verified
US9242790 BB	20160106	LSGT	PAT1	Patented Case
US9242790 BB	20340321	PEXP		Calculated Patent Term Expiry
US9271597 BB	20160301	LSGT	+	granted / extensions (spc, cpc, pte)
US9271597 BB	20151207	LSFE	+PPV1	Publications -- Issue Fee Payment Verified
US9271597 BB	20160210	LSGT	PAT1	Patented Case
US9271597 BB	20320330	PEXP		Calculated Patent Term Expiry
US9572452 BB	20170221	LSGT	+	granted / extensions (spc, cpc, pte)
US9572452 BB	20170201	LSGT	PAT1	Patented Case
US9572452 BB	20350220	PEXP		Calculated Patent Term Expiry (PTA 319 days)
US9756974 BB	20170912	LSGT	+	granted / extensions (spc, cpc, pte)
US9756974 BB	20170807	LSFE	+PPR1	Publications -- Issue Fee Payment Received
US9756974 BB	20170823	LSGT	PAT1	Patented Case
US9756974 BB	20341209	PEXP		Calculated Patent Term Expiry (PTA 210 days)
US9795243 BB	20171024	LSGT	+	granted /

				extensions (spc, cpc, pte)		
US9795243 BB	20171004	LSGT	PAT1	Patented Case		
US9795243 BB	20350804	PEXP		Calculated Patent Term Expiry (PTA 1704 days)		
US9844292 BB	20171219	LSGT	+	granted / extensions (spc, cpc, pte)		
US9844292 BB	20171129	LSGT	PAT1	Patented Case		
US9844292 BB	20300416	PEXP		Calculated Patent Term Expiry		
US9907425 BB	20180306	LSGT	+	granted / extensions (spc, cpc, pte)		
US9907425 BB	20180214	LSGT	PAT1	Patented Case		
US9907425 BB	20341112	PEXP		Calculated Patent Term Expiry		
WO07126608 A2	20071108	LSPB	+	published / reissued		
WO07126608 A3	20080930	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE	
WO07126608 A3	20090915	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2677859 COUNTRY OF REF DOCUMENT : CA	
WO11053890 A2	20110505	LSPB	+	published / reissued		
WO11053890 A3	20120427	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2779263 COUNTRY OF REF DOCUMENT : CA	
WO11053890 A3	20120430	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE	