

Search history

Search 1: FT=(AUTOMATIC~ BEVERAGE~ DISPENSER~ AND GAS~ AND MACHINE~) (Results 37)
Search 2: FT=(AUTOMATIC~ BEVERAGE~ DISPENS*~ AND GAS~ AND ULTRAVIOLET~) (Results 1)
Search 3: FT=(AUTOMATIC~ BEVERAGE~ DISPENSER~ AND ULTRAVIOLET~) AND IC =(B67D) (Results 0)
Search 4: FT=(ULTRAVIOLET~) AND IC =(B67D) (Results 689)
Search 5: FT=(AUTOMATIC~ BEVERAGE~ DISPENSER~ AND ULTRAVIOLET~) (Results 1)
Search 6: FT=(AUTOMATIC~ BEVERAGE~ DISPENSER~ AND GAS~ AND MACHINE~) AND IC =(B67D) (Results 28)

Title: Device for the measured dispensing of liquids out of a storage container and synchronous mixing with a diluent

Abstract: In a post-mix beverage dispenser system including beverage concentrate containers and a storage tank for the supply of diluent through an electromagnetically actuated valve, the beverage concentrate is provided to the mixing station in a series of individual pulsed portions by a reciprocating piston pump coupled to the containers for the beverage concentrate. An electromechanical control circuit is also provided for rhythmically opening and closing the electromagnetic valve for a pulsed supply of diluent in synchronism with the pulsed delivery of the beverage concentrate for providing a mixture of precise proportions.

Classifications:

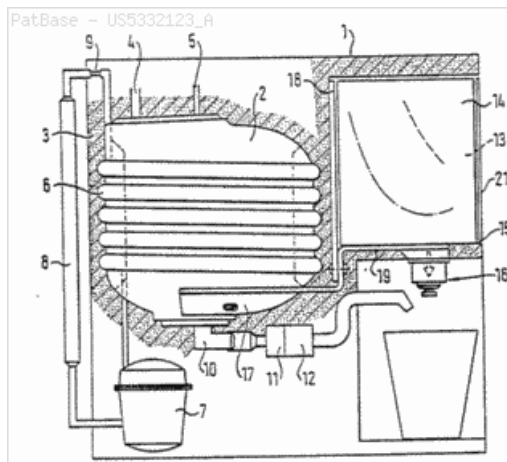
International (IPC 8-9): B67D1/00 B67D1/10 (Advanced/Invention)

International (IPC 1-7): B67D5/56

CPC: B67D1/0036 B67D1/102 B67D1/1231

European: B67D1/00F4B6B2 B67D1/10B2 B67D1/12B4J

US: 222/129.4 222/135 222/640



Family:

Publication number	Publication date	Application number	Application date
US5332123 A	19940726	US19920948305	19920922

Priority:

US19920900797 19920622 US19920948305 19920922

Probable Assignee: COCA COLA CO

Assignee(s): (std): COCA COLA CO ; BOSCH SIEMENS HAUSGERAETE

Assignee(s): BOSCH SIEMENS HAUSGERATE GMBH ; COCA COLA CO 310 NORTH AVENUE ATLANTA GA 30301 BOS ; THE COCA COLA COMPANY

Inventor(s): (std): DEININGER ANTON ; EICHLER WALTER ; FAERBER KARLHEINZ ; GIEFER HEINZ WERNER ; RAAB ALFRED

Legal status (INPADOC)

[View legal status timeline](#)

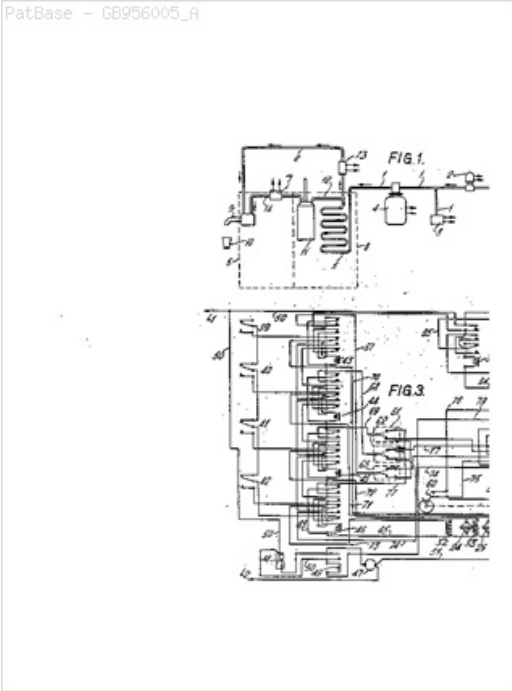
Patent	Date recorded	Event group	Code	Event	Details
US5332123 A	19940726	LSGT	+	granted / extensions (spc, cpc, pte)	
US5332123 A	19921119	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : COCA-COLA COMPANY, THE, GEORGIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNORS:FARBER, KARLHEINZ; EICHLER, WALTER; DEININGER, ANTON; AND OTHERS; REEL/FRAME:006354/0422; SIGNING DATES FROM 19921026 TO 19921027
US5332123 A	19921119	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BOSCH-SIEMENS HAUSGERATE GMBH, GERMANY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNORS:FARBER, KARLHEINZ; EICHLER, WALTER; DEININGER, ANTON; AND OTHERS; REEL/FRAME:006354/0422; SIGNING DATES FROM 19921026 TO 19921027
US5332123 A	19980126	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5332123 A	20020107	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5332123 A	20060726	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5332123 A	20060823	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR	

				1.362	
US5332123 A	20060823	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5332123 A	20060919	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20060726
US5332123 A	20120922	PEXP		Calculated Patent Term Expiry	

Title: Selective beverage dispenser

Abstract: 956,005. Dispensing liquids. AUTOMATIC CANTEEN CO. OF AMERICA. Oct. 19, 1960, No. 35827/60. Heading A4T. [Also in Division G4] A beverage dispenser comprises electric selective means operable to select a flavour syrup for discharge and to control the discharge simultaneously of predetermined quantities of the selected syrup, fresh water, and/or carbonated water. The dispenser includes a fresh water supply pump 4, Fig. 1, which feeds an electrically operated fresh water valve 7 and a carbonating device 11 provided with a carbonated water electrical delivery valve 13, the fresh water and carbonated water being delivered through an outlet 9 along with the selected syrup delivered from syrup containers 15... 18, Fig. 2, by pumps 24... 27 which are selectively clutched to a driving motor by electromagnets 32... 35. The electrical circuit, Fig. 3, includes a coin-actuated switch 36 which, on insertion of a coin, energizes a relay 38 to supply current to one side of a motor 52, driving cam 54, 55, which operates for one complete revolution on each energization, and to a second motor 59 which operates the selected pump 24... 27, when it is clutched to the motor by energization of its associated electromagnet 32... 35. The desired syrup is selected by switches 39... 42 which control the electromagnets 32... 35 and the fresh water and carbonated water valves 7, 13, are controlled by the cams 54, 55, operating switches 57, 58. Selection of button 42 causes operation of syrup pump 24 and carbonated water valve 13 only. Buttons 39... 41 are associated with switches 61... 63 which permit the supply of carbonated water only or a mixture of fresh and carbonated water. Selection of say button 41 causes operation of syrup pump 25 and, with switches 61...63 in the full line position, the supply of carbonated water whilst with switches 61... 63 in the dotted line position, the supply of a mixture of fresh and carbonated water.

Classifications:
International (IPC 8-9): B67D1/00 G07F13/06 (Advanced/Invention); B67D1/00 G07F13/06 (Core/Invention)
International (IPC 1-7): B67D5/02
CPC: B67D1/0039 G07F13/065
European: B67D1/00F4B6C G07F13/06B



Family:

Publication number	Publication date	Application number	Application date
GB956005 A	19640422	GB19600035827	19601019

Priority:

GB19600035827 19601019

Probable Assignee: AUTOMATIC CANTEEN CO
Assignee(s): (std): AUTOMATIC CANTEEN CO
Assignee(s): AUTOMATIC CANTEEN COMPANY OF AMERICA
Inventor(s): (std): REYNOLDS DONALD S ; THORN ROBERT J

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
GB956005 A	19640422	LSGT	+	granted / extensions (spc, cpc, pte)	
GB956005 A	19801019	PEXP		Calculated Patent Term Expiry	

Title: Beverage dispensing apparatus

Abstract: Apparatus for the automatic dispensing of beer or other beverage comprises a conveyor 3 upon which inverted glasses are carried through a washing station to a mechanical holder 98 which grips the glasses 8, raises them to an elevated, slightly tilted position in which they are charged with predetermined quantities of beverage from a dispenser outlet 80 and then lowers the charged glasses onto the conveyor 3, which takes them to a collection point. The holder 98 can accept a plurality of glasses, e.g. six, or an intermediate number as selected by the operator. The apparatus is automatically controlled by electronic counters and a programmed control unit with a selector panel. A coded optical card activates the control unit.

Classifications:

International (IPC 8-9): B65B3/36 B67D1/00 (Advanced/Invention)

International (IPC 1-7): B67D5/00

CPC: B65B3/36 B67D1/0006 B67D1/1272 B67D2001/0088

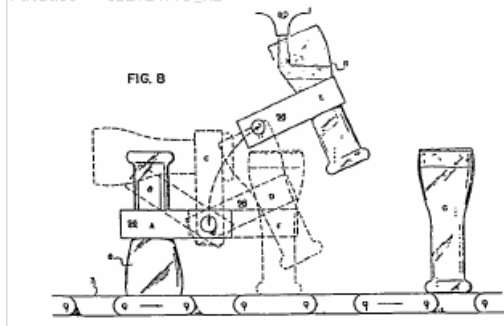
B67D2001/0824 B67D2210/00068 B67D2210/00073

B67D2210/00076

European: B65B3/36 B67D1/00E2B2 B67D1/12L2 L67D1/00H8M2

L67D1/08A34B L67D210/00D6B L67D210/00D6F L67D210/00D6H

PatBase - GB2024779_R1



Family:

Publication number	Publication date	Application number	Application date
GB2024779 A1	19800116	GB19780029126	19780707

Priority:

GB19780029126 19780707

Probable Assignee:

EXACTA DRAFT MFG LTD

Assignee(s): (std):

EXACTA DRAFT MFG LTD

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
GB2024779 A1	19800116	LSPB	+	published / reissued	
GB2024779 A1	19801029	LSWD	-WAP	APPLICATION WITHDRAWN, TAKEN TO BE WITHDRAWN OR REFUSED ** AFTER PUBLICATION UNDER SECTION 16(1)	

Title: AUTOMATIC BEVERAGE DISPENSER

Abstract: This invention is an automatic container washing and beverage dispensing machine that can be used in dispensing gas containing beverages such as draft beer, and the like. One or more containers are washed automatically and the beverage is dispensed automatically into one or more of the washed containers as required without the necessity of a person having to handle the containers while the containers are being washed and the beverage is being dispensed. The invention also covers a method of automatically dispensing a beverage into a glass. The method comprises automatically gripping a glass with a holder, and automatically dispensing a predetermined quantity of beverage into the glass while the glass is being held by the holder.

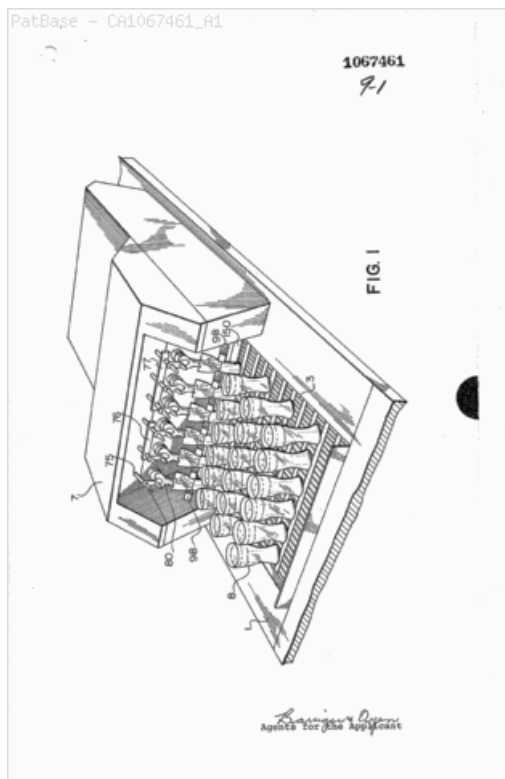
Classifications:

International (IPC 8-9): B65B3/34 B67D1/00 (Advanced/Invention);
B65B3/00 (Core/Invention)

International (IPC 1-7): B67D1/00

CPC: B65B3/34

European: B65B3/34

**Family:**

Publication number	Publication date	Application number	Application date
CA1067461 A1	19791204	CA19750229469	19750617

Priority:

CA19750229469 19750617

Probable Assignee: EXACTA DRAFT MANUFACTURING LTD

Assignee(s): (std): EXACTA DRAFT MANUFACTURING LTD ; EXACTA DRAFT MFG LTD

Assignee(s): BURGESS GORDON HV ; BURGESS NORMAN G

Inventor(s): (std): BURGESS GORDON H V ; BURGESS NORMAN G

Inventor(s): BURGESS GORDON HV

Legal status (INPADOC)

[View legal status timeline](#)

No INPADOC legal status information found.

Title: STORAGE CONTAINER WITH AN ELECTRICALLY OPERABLE CIRCULATING PUMP

Abstract: A carbonator tank in a post-mix beverage dispenser is provided with an electrically powered circulating pump. The pump is mounted in an opening in the bottom of the tank and includes a flow-through channel for dispensing carbonated liquid from the tank through the housing of the pump. The tank includes a cooling coil for forming an ice bank around the interior walls. The heat generated by the pump motor precludes the freezing of the carbonated water in the flow-through channel.

Classifications:

International (IPC 8-9): B01F15/02 B01F3/04 B01F7/16 B67D1/04 G07F13/06 (Advanced/Invention);

B01F15/02 B01F3/04 B01F7/16 G07F13/06 (Core/Invention)

International (IPC 1-7): B01F3/04 B01F7/16 B67D1/04 F04B17/00 F04B35/04

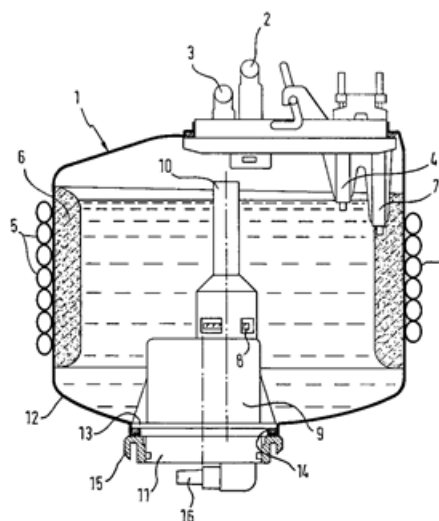
CPC: Y10S261/07 B01F3/04531 B01F15/0266 G07F13/065 F28D1/06

European: B01F15/02C B01F3/04C5 G07F13/06B

US: 261/140.1 261/36.1 261/93 261/DIG.7 417/360 417/423.7

PatBase - US5184942_A

Fig.1



Family:

Publication number	Publication date	Application number	Application date
AT129930 E	19951115	AT19910113583T	19910813
CA2048101 AA	19920217	CA19912048101	19910729
CA2048101 C	19950117	CA19912048101	19910729
DE59106845 D1	19951214	DE19915006845	19910813
DK0471343 T3	19960318	DK19910113583T	19910813
EP0471343 A2	19920219	EP19910113583	19910813
EP0471343 A3	19920617	EP19910113583	19910813
EP0471343 B1	19951108	EP19910113583	19910813
US5184942 A	19930209	US19910729197	19910712

Priority:

DE19904025986 19900816

CA19912048101 19910729

DE19915006845 19910813

Probable Assignee: BOSCH SIEMENS HAUSGERAETE GMBH

Assignee(s): (std): BOSCH SIEMENS HAUSGER TE GMBH ; BOSCH SIEMENS HAUSGERAETE ; COCA COLA CO

Assignee(s): COCA COLA CO 310 NORTH AVENUEATLANTA GEORGIA ; BOSCH SIEMENS HAUSGERATE GMBH ; THE COCA COLA COMPANY ; THE COCA COLA CO ; COCA COLA COMPANY THE ; THE COCA COLA CO ATLANTA GA US ; GIEFER HEINZ WERNER ; GALLER BENKER EGON ; FARBER KARLHEINZ ; DEININGER ANTON ; COCA COLA CO THE ; BOSCH SIEMENS HAUSGERAETE GMBH ; BOSCH SIEMENS HAUSGERAETE GMBH 81669 MUENCHEN DE ; BOSCH SIEMENS HAUSGERAETE GMBH PATENT U VERTRAGSWESSEN ; BOSCH SIEMENS HAUSGERAETE GMBH PATENT UND VERTRAGS ; BOSCH SIEMENS HAUSGERAETE GMBH PATENT UND VERTRAGSWESSEN ; BOSCH SIEMENS HAUSGERATE G M B H

Inventor(s): (std): DEININGER ANTON ; FARBER KARLHEINZ ; GIEFER HEINZ WERNER ; GALLER BENKER EGON ; DEININGER ANTON DIPL ING ; FAERBER KARLHEINZ W GIENGEN D ; BENKER GALLER DIPL ING ; BENKER GALLER DIPL ING FH ; GIEFER HEINZ WERNER DIPL ING ; FAERBER KARLHEINZ DIPL ING FH ; DEININGER ANTON DIPL ING FH

Inventor(s): FAERBER KARLHEINZ DIPL ING FH W 7928 GIENGEN DE ; BENKER GALLER DIPL ING FH W 8875 OFFINGEN DE ; DEININGER ANTON DIPL ING FH W 8887 BACHHAGEL DE ; FAERBER KARLHEINZ DIPL ING

Agent(s): SIM AND MCBURNEY

Designated states: AT BE CH DE DK ES FR GB GR IT LI LU NL SE

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
AT129930 E	19951115	LSGT	+	granted / extensions (spc, cpc, pte)	
AT129930 E	20070515	LSLE	-REN	CEASED DUE TO NON-PAYMENT OF THE ANNUAL FEE	
AT129930 E	20110813	PEXP		Calculated Patent Term Expiry	

CA2048101 AA	19920217	LSPB	+	published / reissued	
CA2048101 AA	19910917	LSES	+EEER	EXAMINATION REQUEST	
CA2048101 C	19950117	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2048101 C	20070730	LSLE	-MKLA	LAPSED	
CA2048101 C	20110729	PEXP		Calculated Patent Term Expiry	
DE59106845 D1	19961205	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE59106845 D1	19970807	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : THE COCA-COLA CO. (N.D.GES.D. STAATES DELAWARE), A
DE59106845 D1	20060614	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
DK0471343 T3	19960318	LSGT	+	granted / extensions (spc, cpc, pte)	
DK0471343 T3	20110813	PEXP		Calculated Patent Term Expiry	
EP0471343 A2	19920219	LSPB	+	published / reissued	
EP0471343 A3	19930203	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19921210
EP0471343 A3	19930908	LSAS	RAP3	APPLICANT DATA CHANGED	PARTYTYPE : OWNER OWNER : BOSCH-SIEMENS HAUSGERAETE GMBH
EP0471343 A3	19930908	LSAS	RAP3	APPLICANT DATA CHANGED	PARTYTYPE : OWNER OWNER : THE COCA-COLA COMPANY
EP0471343 A3	19940601	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 19940413
EP0471343 B1	19951108	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0471343 B1	19951108	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE LAPSED DATE : 19951108
EP0471343 B1	19951108	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR LAPSED DATE : 19951108
EP0471343 B1	19951108	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB LAPSED DATE : 19951108
EP0471343 B1	19951108	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : THE PATENT HAS BEEN ANNULLED BY A DECISION OF A NATIONAL AUTHORITY LAPSED DATE : 19951108
EP0471343 B1	19951108	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL 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 : 19951108
EP0471343 B1	19960515	LSWD	-GBV	GB: EP PATENT (UK) TREATED AS ALWAYS HAVING BEEN VOID IN ACCORDANCE WITH GB SECTION 77(7)/1977	REF COUNTRY CODE : EP EFFECTIVE DATE : 19951108
EP0471343 B1	19960813	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM	COUNTRY OF REF DOCUMENT : DK LAPSED DATE : 19960813

				NATIONAL OFFICE TO EPO]	
EP0471343 B1	19960813	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DK REF LEGAL EVENT CODE : EBP
EP0471343 B1	19960814	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE LAPSED DATE : 19960814
EP0471343 B1	19960831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 19960831
EP0471343 B1	19961030	LSGT	+26N	NO OPPOSITION FILED	
EP0471343 B1	19970512	LSLE	-EUG	SE: EUROPEAN PATENT HAS LAPSED	REF COUNTRY CODE : EP TEXT : 91113583.8
EP0471343 B1	20020717	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20020717 YEAR OF FEE PAYMENT : 12
EP0471343 B1	20020725	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20020725 YEAR OF FEE PAYMENT : 12
EP0471343 B1	20030831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20030831
EP0471343 B1	20030831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20030831
EP0471343 B1	20040301	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20040301
EP0471343 B1	20040415	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP0471343 B1	20040503	LSLE	-NLV4	NL: LAPSED OR ANULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20040301
EP0471343 B1	20040805	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20040805 YEAR OF FEE PAYMENT : 14
EP0471343 B1	20050813	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20050813
EP0471343 B1	20050816	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20050816 YEAR OF FEE PAYMENT : 15
EP0471343 B1	20060301	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20060301
EP0471343 B1	20060813	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20060813

EP0471343 B1	20110813	PEXP		Calculated Patent Term Expiry	
US5184942 A	19930209	LSGT	+	granted / extensions (spc, cpc, pte)	
US5184942 A	19910712	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : COCA-COLA COMPANY, THE, GEORGIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNORS:DEININGER, ANTON; FARBER, KARLHEINZ; GIEFER, HEINZ-WERNER; AND OTHERS; REEL/FRAME:005769/0626 EFFECTIVE DATE : 19910628
US5184942 A	19910712	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BOSCH-SIEMENS HAUSGERATE, GMBH, GEORGIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNORS:DEININGER, ANTON; FARBER, KARLHEINZ; GIEFER, HEINZ-WERNER; AND OTHERS; REEL/FRAME:005769/0626 EFFECTIVE DATE : 19910628
US5184942 A	19930127	LSGT	PAT1	Patented Case	
US5184942 A	19930127	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US5184942 A	19960725	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5184942 A	20000721	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5184942 A	20040806	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US5184942 A	20110712	PEXP		Calculated Patent Term Expiry	

Title: FLOW-CONTROL VALVE ESPECIALLY FOR GASIFIED LIQUIDS

Abstract: A flow-control valve especially for gasified liquids, for dispensing portions of carbonated water from a storage container for mixing with beverage concentrates in a beverage-vending **machine** comprises a valve housing, the interior of which broadens from an inlet opening to a chamber in which a membrane with an orifice is arranged orthogonally to the direction of the inflowing water. Water flowing into the chamber passes through the orifice in the membrane and displaces the latter toward a pin which is arranged on the opposite side of the membrane to the inlet opening adjacent to the orifice.

Classifications:

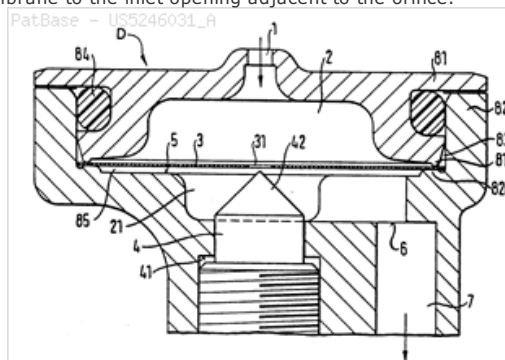
International (IPC 8-9): F16K7/00 G05D7/01 (Advanced/Invention); G05D7/00 (Core/Invention)

International (IPC 1-7): A47J31/41 B67D1/14 F16K7/00 F16K7/17 G05D7/00 G05D7/01

CPC: Y10T137/7792 Y10T137/7834 Y10T137/7895 G05D7/0113

European: G05D7/01B4

US: 137/504 137/508 137/859



Family:

Publication number	Publication date	Application number	Application date
CA2049082 AA	19920217	CA19912049082	19910813
CA2049082 C	19971014	CA19912049082	19910813
EP0471341 A2	19920219	EP19910113580	19910813
EP0471341 A3	19920617	EP19910113580	19910813
US5246031 A	19930921	US19920918146	19920724

Priority:

DE19904025983 19900816 CA19912049082 19910813 US19910745390 19910815
US19920918146 19920724

Probable Assignee: COCA COLA CO

Assignee(s): (std): BOSCH SIEMENS H USGERATE GMBH ; BOSCH SIEMENS HAUSGERAETE ; COCA COLA CO

Assignee(s): THE COCA COLA COMPANY ; COCA COLA COMPANY ; COCA COLA COMPANY THE ; PEGLOW BRINGFRIED ; EICHLER WALTER ; COCA COLA CO THE ; BOSCH SIEMENS HAUSGERAETE GMBH ; BOSCH SIEMENS HAUSGERAETE GMBH PATENT U VERTRAGSWESSEN ; BOSCH SIEMENS HAUSGERAETE GMBH PATENT UND VERTRAGSWESSEN ; BOSCH SIEMENS HAUSGERATE G M B H ; BOSCH SIEMENS HAUSGERATE GMBH

Inventor(s): (std): EICHLER WALTER DIPL ING FH ; PEGLOW BRINGFRIED ; EICHLER WALTER

Inventor(s): EICHLER WALTER DIPL ING

Agent(s): SIM AND MCBURNEY

Designated states: AT BE CH DE DK ES FR GB GR IT LI LU NL SE

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
CA2049082 AA	19920217	LSPB	+	published / reissued	
CA2049082 AA	19910913	LSSES	+EEER	EXAMINATION REQUEST	
CA2049082 C	19971014	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2049082 C	20070813	LSLE	-MKLA	LAPSED	
CA2049082 C	20110813	PEXP		Calculated Patent Term Expiry	
EP0471341 A2	19920219	LSPB	+	published / reissued	
EP0471341 A3	19930203	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19921208
EP0471341 A3	19930908	LSAS	RAP3	APPLICANT DATA CHANGED	PARTYTYPE : OWNER OWNER : BOSCH-SIEMENS HAUSGERAETE GMBH
EP0471341 A3	19930908	LSAS	RAP3	APPLICANT DATA CHANGED	PARTYTYPE : OWNER OWNER : THE COCA-COLA COMPANY
EP0471341 A3	19941109	LSSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 19940928
EP0471341 A3	19960612	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 19951202
US5246031 A	19930921	LSGT	+	granted / extensions (spc, cpc, pte)	

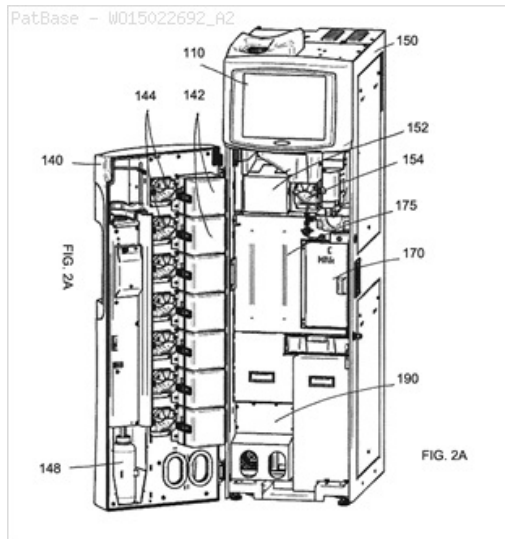
US5246031 A	19930910	LSGT	PAT1	Patented Case	
US5246031 A	19930910	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US5246031 A	19970320	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5246031 A	20010306	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5246031 A	20050317	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US5246031 A	20120724	PEXP		Calculated Patent Term Expiry	

Title: REFRIGERATED MIXED BEVERAGE DISPENSER

Abstract: A dispenser 100 for dispensing a beverage that is a mixture of beverage components 170 positioned in the dispenser body and of beverage components 142 positioned in the dispenser door; a pouring unit 500 for said dispenser; a method for preparing a beverage with said dispenser. A method of mixing beverage components. A method of dispensing beverage components. A method of dispensing milk from a nozzle 536. A user interface for a beverage dispenser 100. A method of calibrating a non-stepper motor. A method of operating a beverage dispenser 100 without exceeding a power rating. A beverage cart 1300 for an aircraft, with a foldable dispensing unit 1310 and a foldable control panel 1320. A spout 2150 or an adaptor for a bag-in-box, with a lateral outlet port 2155; a correspondent kit and a method for dispensing from said bag-in-box.

Classifications:

International (IPC 8-9): B65D25/42 B65D75/58 B65D77/06
B67D1/00 B67D1/07 B67D1/08 (Advanced/Invention)
CPC: B67D1/0021 B67D1/0051 B67D1/0052 B67D1/0053 B67D1/07
B67D1/08 B67D1/0801 B67D1/0804 B67D1/0857 B67D1/0888
B67D2001/0827 B67D2210/00031 B67D2210/00034
B67D2210/00036 B67D2210/00041 B67D2210/0006
B67D2210/00139 B67D2210/00146 B67D1/108



Family:

Publication number	Publication date	Application number	Application date
WO15022692 A2	20150219	WO2014IL50732	20140814
WO15022692 A3	20150618	WO2014IL50732	20140814

Priority:

US20130866054P 20130815 US20130866095P 20130815

Probable Assignee: YAZAMCO CORP LTD

Assignee(s): (std): YAZAMCO CORP LTD

Inventor(s): (std): LINETSKY VADIM ; CURIEL ITAI ; BRUNICKI EHUD ; LEVI CHAIM ; BRUNICKI DANIEL ; CENCIPER ERAN ; ZOHAR OREN ; ZARINI RODNY ; POSTOLOV ALEXANDER

Agent(s): EHRlich GAL ET AL

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

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
WO15022692 A2	20150219	LSPB	+	published / reissued	
WO15022692 A3	20160215	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO15022692 A3	20160907	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 14796293 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) :

Title: Container and liquid dispensing apparatus and method of application thereof

Abstract: The invention provides a container dispensing apparatus and a liquid dispensing apparatus. The container dispenser includes a housing, axial bores for receiving a column of containers and a central, axial bore, a vertical bar attached to and uprising from the housing, upright legs that are attached to the peripheral wall of the housing, a cover being positioned above the housing and having a number of downwardly extending rods and a downwardly extending, central pipe, a guide for the vertical bar attached to the cover, a pair of friction pads separating the guide for the vertical bar from the vertical bar while acting as a reenforceable break to allow lifting and lowering of the cover along the vertical bar, a handle engaged with the vertical bar, a fulcrum that is attached to the cover and that is engaged with and supports the handle. The liquid dispenser has a housing with a side wall and a bottom wall. The bottom wall is provided with a number of liquid dispensing openings that are selectively positioned. A spider-like dispenser may be used as a replacement for the openings with the bottom wall having only one opening to which the spider is connected. A plate with liquid dispensing openings is positioned upon the bottom wall of the housing. Some openings of the plate, are positioned upon the number of liquid dispensing openings of the bottom wall when the plate is positioned along some upright bars upon the bottom wall. The liquid dispensing openings are retained exactly and directly above surfaces of the bottom wall. A lever serves to raise the plate.

Classifications:

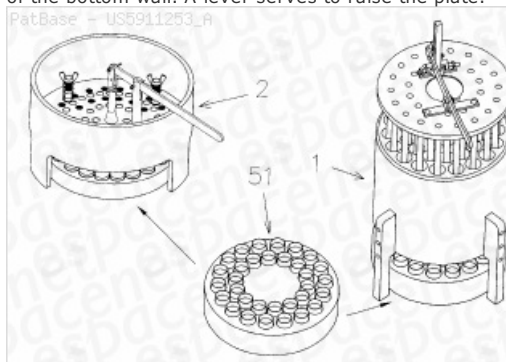
International (IPC 8-9): B67D1/06 B67D1/10 (Advanced/Invention); B67D1/00 (Advanced/Non-invention)

International (IPC 1-7): B65B3/06

CPC: B67D1/06 B67D1/10 B67D2210/00068

European: B67D1/06 B67D1/10 L67D210/00D6B

US: 141/1 141/237 141/242 141/243 141/244 141/246 221/221



Family:

Publication number	Publication date	Application number	Application date
US5911253 A	19990615	US19980036876	19980309

Priority:

US19980036876 19980309

Probable Assignee:

WEBB JAMES ELMER

Assignee(s):

WEBB JAMES ELMER

Inventor(s): (std):

WEBB JAMES ELMER

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
US5911253 A	19990615	LSGT	+	granted / extensions (spc, cpc, pte)	
US5911253 A	20030124	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5911253 A	20070213	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5911253 A	20110615	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5911253 A	20110711	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5911253 A	20110711	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5911253 A	20110802	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20110615
US5911253 A	20180309	PEXP		Calculated Patent Term Expiry	

Title: ASSEMBLY, ESPECIALLY FOR A BEVERAGE-VENDING **MACHINE**, WITH A CONTAINER FOR THE STORAGE, COOLING AND CARBONATING OF WATER

Abstract: An assembly, especially for a beverage-vending **machine** with a container for the storing, cooling and carbonating of water including two measuring electrodes arranged in the container at differing horizontal and vertical distances from an electrically conductive inner wall of the container connected to ground, one of these in the area of the ice layer under formation. The measuring electrodes obtain resistance values for the ice and/or water that arise between the electrode and the inner wall of the container. In order to cool the water independently from its physical-chemical composition, potentials corresponding to the resistances are derived and are supplied to a differential amplifier. Depending on a size comparison of the two resistance values, a cooling apparatus that affects the contents of the container is switched on or off.

Classifications:

International (IPC 8-9): B67D1/08 F25D21/02 F25D31/00 G01R27/22 G05D23/275 G07F13/06 (Advanced/Invention); F25D21/00 F25D31/00 G01R27/22 G05D23/275

G07F13/06 (Core/Invention)

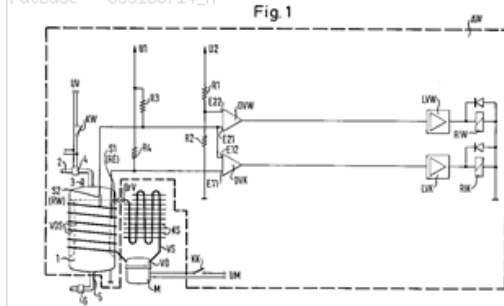
International (IPC 1-7): B67D1/08 F25C1/00 F25D21/02 F25D31/00 G01R27/22 G05D23/275

CPC: F25D21/02 F25D31/006 G05D23/27543 G07F13/065

European: F25D21/02 F25D31/00H G05D23/275K9 G07F13/06B

US: 340/580 62/138

PatBase - US5168714_A



Family:

Publication number	Publication date	Application number	Application date
AT117790 E	19950215	AT19910113582T	19910813
CA2049153 AA	19920217	CA19912049153	19910813
CA2049153 C	19941004	CA19912049153	19910813
DE59104379 D1	19950309	DE19915004379	19910813
DK0471342 T3	19950710	DK19910113582T	19910813
EP0471342 A2	19920219	EP19910113582	19910813
EP0471342 A3	19920902	EP19910113582	19910813
EP0471342 B1	19950125	EP19910113582	19910813
ES2069141 T3	19950501	ES19910113582T	19910813
GR3014962 T3	19950531	GR19950400214T	19950203
US5168714 A	19921208	US19910745389	19910815

Priority:

DE19904025985 19900816 CA19912049153 19910813 DE19915004379 19910813

Probable Assignee: BOSCH SIEMENS HAUSGERAETE GMBH

Assignee(s): (std): BOSCH SIEMENS HAUSGER TE GMBH ; BOSCH SIEMENS HAUSGERAETE ; COCA COLA CO

Assignee(s): COCA COLA CO 310 NORTH AVENUE ATLANTA GA 30313 BOS ; THE COCA COLA COMPANY ; BOSCH SIEMENS HAUSGERATE GMBH ; THE COCA COLA CO ; COCA COLA COMPANY THE ; THE COCA COLA CO ATLANTA GA US ; ROSENBAUER MICHAEL ; FARBER KARLHEINZ ; DEININGER ANTON ; BOSCH SIEMENS HAUSGERAETE GMBH ; BOSCH SIEMENS HAUSGERAETE GMBH 81669 MUENCHEN DE ; BOSCH SIEMENS HAUSGERAETE GMBH PATENT UND VERTRAGS ; BOSCH SIEMENS HAUSGERAETE GMBH PATENT UND VERTRAGSWESSEN ; BOSCH SIEMENS HAUSGERATE G M B H

Inventor(s): (std): FAERBER KARLHEINZ DIPL ING FH ; DEININGER ANTON DIPL ING FH ; ROSENBAUER MICHAEL DIPL ING FH ; ROSENBAUER MICHAEL DIPL ING ; DEININGER ANTON DIPL ING ; FAERBER KARLHEINZ DIPL ING ; FAERBER KARLHEINZ ; FARBER KARLHEINZ DIPL ING FH ; ROSENBAUER MICHAEL ; DEININGER ANTON ; FARBER KARLHEINZ

Inventor(s): FAERBER KARLHEINZ DIPL ING FH W 7928 GIENGEN DE ; DEININGER ANTON DIPL ING FH W 8887 BACHHAGEL DE ; ROSENBAUER MICHAEL DIPL ING FH W 8860 ; ROSENBAUER MICHAEL DIPL ING FH W 8860 NOERDLINGEN DE ; FARBER KARLHEINZ DIPL ING

Agent(s): SIM AND MCBURNEY

Designated states: AT BE CH DE DK ES FR GB GR IT LI LU NL SE

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
AT117790 E	19950215	LSGT	+	granted / extensions (spc, cpc, pte)	
AT117790 E	20040515	LSLE	-REN	CEASED DUE TO NON-PAYMENT OF THE ANNUAL FEE	
AT117790 E	20110813	PEXP		Calculated Patent Term Expiry	
CA2049153 AA	19920217	LSPB	+	published / reissued	
CA2049153 AA	19910913	LSES	+EEER	EXAMINATION REQUEST	
CA2049153 C	19941004	LSGT	+	granted / extensions (spc,	

cpc, pte)					
CA2049153 C	20040816	LSLE	-MKLA	LAPSED	
CA2049153 C	20110813	PEXP		Calculated Patent Term Expiry	
DE59104379 D1	19960229	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE59104379 D1	19960808	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
DK0471342 T3	19950710	LSGT	+	granted / extensions (spc, cpc, pte)	
DK0471342 T3	20110813	PEXP		Calculated Patent Term Expiry	
EP0471342 A2	19920219	LSPB	+	published / reissued	
EP0471342 A3	19930428	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19930225
EP0471342 A3	19930908	LSAS	RAP3	APPLICANT DATA CHANGED	PARTYTYPE : OWNER OWNER : BOSCH-SIEMENS HAUSGERAETE GMBH
EP0471342 A3	19930908	LSAS	RAP3	APPLICANT DATA CHANGED	PARTYTYPE : OWNER OWNER : THE COCA-COLA COMPANY
EP0471342 A3	19940427	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 19940311
EP0471342 B1	19950125	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0471342 B1	19950125	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL 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 : 19950125
EP0471342 B1	19950131	LSGT	+EAL	SE: EUROPEAN PATENT IN FORCE IN SWEDEN	REF COUNTRY CODE : EP TEXT : 91113582.0
EP0471342 B1	19950501	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2069141 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) :
EP0471342 B1	19950813	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB LAPSED DATE : 19950813
EP0471342 B1	19950814	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE LAPSED DATE : 19950814
EP0471342 B1	19950814	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 19950814
EP0471342 B1	19950831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE LAPSED DATE : 19950831
EP0471342 B1	19950831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH LAPSED DATE : 19950831

EP0471342 B1	19950831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI LAPSED DATE : 19950831
EP0471342 B1	19950831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 19950831
EP0471342 B1	19950831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 19950831 YEAR OF FEE PAYMENT : 5
EP0471342 B1	19960117	LSGT	+26N	NO OPPOSITION FILED	
EP0471342 B1	19960229	LSLE	-BERE	BE: LAPSED	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : BOSCH-SIEMENS HAUSGERATE G.M.B.H. EFFECTIVE DATE : 19950831
EP0471342 B1	19960229	LSLE	-BERE	BE: LAPSED	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : THE COCA-COLA CY EFFECTIVE DATE : 19950831
EP0471342 B1	19960410	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 19950813
EP0471342 B1	19960415	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP0471342 B1	19960430	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GR REF LEGAL EVENT CODE : MM2A TEXT : 3014962
EP0471342 B1	19960501	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE LAPSED DATE : 19960501
EP0471342 B1	19960513	LSLE	-EUG	SE: EUROPEAN PATENT HAS LAPSED	REF COUNTRY CODE : EP TEXT : 91113582.0
EP0471342 B1	19960813	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK LAPSED DATE : 19960813
EP0471342 B1	19960813	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DK REF LEGAL EVENT CODE : EBP
EP0471342 B1	20020725	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20020725 YEAR OF FEE PAYMENT : 12
EP0471342 B1	20020729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20020729 YEAR OF FEE PAYMENT : 12
EP0471342 B1	20020812	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20020812 YEAR OF FEE PAYMENT : 12
EP0471342 B1	20030813	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20030813
EP0471342 B1	20040301	LSLE	-PG25	LAPSED IN A	COUNTRY OF REF DOCUMENT : NL

				CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20040301
EP0471342 B1	20040401	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FD2A EFFECTIVE DATE : 19960911
EP0471342 B1	20040430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20040430
EP0471342 B1	20040503	LSLE	-NLV4	NL: LAPSED OR ANULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20040301
EP0471342 B1	20040604	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST
EP0471342 B1	20050813	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20050813
EP0471342 B1	20110813	PEXP		Calculated Patent Term Expiry	
ES2069141 T3	19950501	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2069141 T3	19950501	LSGT	+FG2A	DEFINITIVE PROTECTION	REF DOCUMENT NUMBER : 471342 COUNTRY OF REF DOCUMENT : ES
ES2069141 T3	20110813	PEXP		Calculated Patent Term Expiry	
GR3014962 T3	19950531	LSGT	+	granted / extensions (spc, cpc, pte)	
GR3014962 T3	20150203	PEXP		Calculated Patent Term Expiry	
US5168714 A	19921208	LSGT	+	granted / extensions (spc, cpc, pte)	
US5168714 A	19911015	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : COCA-COLA COMPANY, THE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNORS:FARBER, KARLHEINZ; DEININGER, ANTON; ROSENBAUER, MICHAEL; REEL/FRAME:005885/0455; SIGNING DATES FROM 19910701 TO 19910802
US5168714 A	19911015	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BOSCH-SIEMENS HAUSGERATE GMBH OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNORS:FARBER, KARLHEINZ; DEININGER, ANTON; ROSENBAUER, MICHAEL; REEL/FRAME:005885/0455; SIGNING DATES FROM 19910701 TO 19910802
US5168714 A	19960517	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5168714 A	20000526	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5168714 A	20041208	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5168714 A	20050105	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5168714 A	20050105	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362

US5168714 A	20050201	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20041208
US5168714 A	20110815	PEXP		Calculated Patent Term Expiry	

Title: DISPOSITIVO AUTOMATICO PARA DISPENSACION DE BEBIDAS

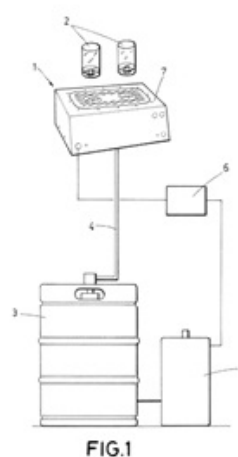
Abstract: Automatic dispensing device for beverages, comprising: - a deposit (3) drink container, - a driving element (5) for driving the beverage from inside the tank (3), - a dispensing base (1), with at least one support face (7), for dispensing beverage, - a duct (4) for driving the beverage from inside the tank (3) to the base (1), - a plurality of containers (2), each of which has at least one lower base (9) intended to rest on the support face (7), and - a programmable controller (6) for driving the drive element (5), the device being characterized in that: - the support face (7) incorporates nozzles (8) linked to the conduit (4) for the exit of the drink from the tank (3), and because: - each of the containers (2) presents in turn: - a through opening (10), located in the base (9) and facing the nozzles (8) for entry of drink into the container (2), and - an anti-return element (11) interposed in the through opening (10) for creation of a unidirectional flow of entry into the container (2). (**Machine**-translation by Google Translate, not legally binding)

Classifications:

International (IPC 8-9): B67D1/04 (Advanced/Invention)

PatBase - ES1209539_UA

ES 1 209 539 U



Family:

Publication number	Publication date	Application number	Application date
ES1209539 UA	20180410	ES20180030362U	20180315
ES1209539 Y	20180703	ES20180030362U	20180315

Priority:

ES20180030362U 20180315

Probable Assignee: SARASOLA OTEGUI IGNACIO MARIA

Assignee(s): (std): SARASOLA OTEGUI IGNACIO MARIA ; SARASOLA OTEGUI XABIER

Assignee(s): XABIER SARASOLA OTEGUI ; IGNACIO MARIA SARASOLA OTEGUI

Inventor(s): (std): SARASOLA OTEGUI IGNACIO MARIA ; SARASOLA OTEGUI XABIER

Inventor(s): XABIER SARASOLA OTEGUI ; IGNACIO MARIA SARASOLA OTEGUI

Agent(s): PONS ANGEL

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
ES1209539 UA	20180410	LSPB	+	published / reissued	
ES1209539 UA	20180703	LSGT	+FG1K	UTILITY MODEL GRANTED	EFFECTIVE DATE : 20180627
ES1209539 UA	20180703	LSGT	+FG1K	UTILITY MODEL GRANTED	REF DOCUMENT NUMBER : 1209539 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : Y DESIGNATED STATE(S) : EFFECTIVE DATE : 20180627
ES1209539 Y	20180703	LSGT	+	granted / extensions (spc, cpc, pte)	
ES1209539 Y	20280315	PEXP		Calculated Patent Term Expiry	

Title: Clean-in-place process and equipment

Abstract: The present invention is directed to automatic, self-contained cleaning and sanitizing equipment. It includes a first liquid holding tank for a cleaning solution and a second liquid holding tank for a sanitizing solution. A cleaning line runs from the first tank and has an inlet adapted for connection to an item to be cleaned, and a cleaning return line runs back to the first tank and has an outlet adapted for connection to the item to be cleaned. A sanitizing line runs from the second tank and has an outlet connected directly to the item to be cleaned, or to the cleaning line so as to create a common connection to the item to be cleaned, and a sanitizing return line runs back to the second tank directly from the item to be cleaned, or from the cleaning return line so as to create a common connection running from the item to be cleaned. There is a first pump connected to the equipment for circulating liquid from the first tank to the item to be cleaned and back to the first tank through the cleaning return line and a second pump connected to the system for circulating liquid from the second tank to the item to be cleaned and back to the second tank through the sanitizing return line. An ozone generator is included on the second tank or the sanitizing line for inclusion of ozone therein and for creation of an ozone-based sanitization liquid therein.

Classifications:

International (IPC 8-9): B08B3/08 B08B9/02 B08B9/032 B67C3/00

B67D1/07 (Advanced/Invention);

B08B9/02 B67C3/00 B67D1/00 (Core/Invention)

International (IPC 1-7): B08B3/02 B08B3/08

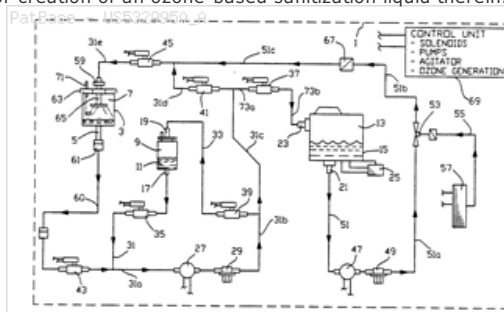
CPC: B08B9/032 B08B9/0325 B08B9/0328 B08B2203/005

B67C3/001 B67D1/07

European: B08B9/032 B08B9/032B12 B08B9/032B6 B67C3/00C

B67D1/07 L08B203/00B

US: 134/102.1 134/103.1 134/103.2 134/95.3 134/98.1



Family:

Publication number	Publication date	Application number	Application date
CA2122072 AA	19941115	CA19942122072	19940425
US5329950 A	19940719	US19930062347	19930514

Priority:

US19930062347 19930514

CA19942122072 19940425

Probable Assignee:

SANIRAB CORP

Assignee(s): (std):

BARINAS JOSEPH P ; SANIRAB CORP

Inventor(s): (std):

BARINAS JOSEPH P

Agent(s):

DEETH WILLIAMS WALL LLP

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
CA2122072 AA	19941115	LSPB	+	published / reissued	
CA2122072 AA	20000425	LSLE	-FZDE	DEAD	
US5329950 A	19940719	LSGT	+	granted / extensions (spc, cpc, pte)	
US5329950 A	19930514	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SANIRAB CORP., NEW JERSEY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:BARINAS, JOSEPH P.; REEL/FRA:006558/0165 EFFECTIVE DATE : 19930511
US5329950 A	19980109	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5329950 A	20010927	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5329950 A	20060719	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5329950 A	20060816	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5329950 A	20060816	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5329950 A	20060912	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20060719
US5329950 A	20130514	PEXP		Calculated Patent Term Expiry	

Title: BREWING UNIT FOR AUTOMATIC BEVERAGE DISPENSERS COMPRISING IN PARTICULAR A BOILER

Abstract: The invention concerns a brewing unit comprising a body (10) with a longitudinal axis (V) containing an infusion chamber (31) capable of receiving a pressing plunger (62) mounted mobile along the axis (V) by a drive mechanism (59), pumping member (40) for circulating water and brew, and a boiler (60) for heating the water for the preparation of the brew in the chamber (31). The invention is characterized in that the boiler (60) and the body (10) are formed in one single piece made of a heat conducting material with heating electrical resistance (26), water heating and passage channels (30) whereof the inlets (33) are connected to a cold water reservoir (R) and the ends (33 ') emerge in the brewing chamber (31); and the pressing plunger (62) has a conduit (42) for the passage of the brew emerging through an outlet (42 b), whereas the pumping member (40) is adapted to generate an ascending circulation of water in the brewing chamber (31) towards the conduit (42). The invention is applicable in particular to espresso coffee brewing machines.

Classifications:

International (IPC 8-9): A47J31/36 A47J31/40 (Advanced/Invention);

A47J31/24 A47J31/40 (Core/Invention);

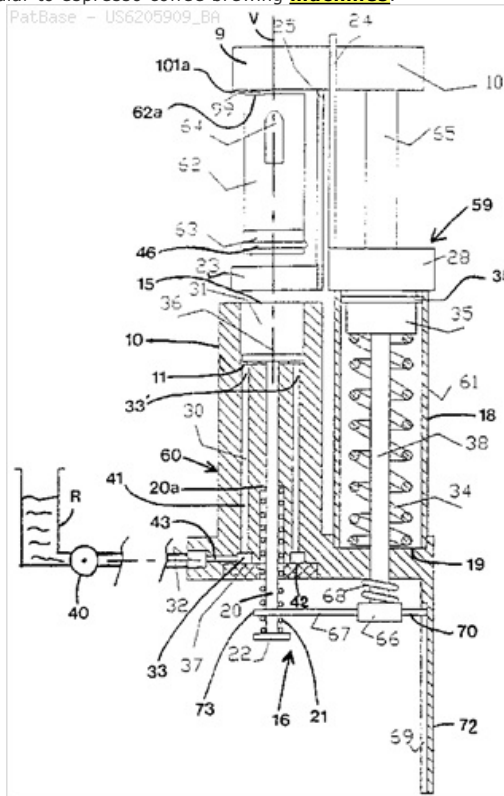
B67D (Subclass/Invention)

International (IPC 1-7): A47J3/140 A47J3/154 A47J31/40 A47J31/54 B67D

CPC: A47J31/3614

European: A47J31/36 A47J31/40A A47J31/40G

US: 99/287 99/289P 99/289R 99/302P 993/20P



Family:

Publication number	Publication date	Application number	Application date
■ CN1108774 C	20030521	CN19988010668	19980904
■ CN1142740 C	20040324	CN19988010667	19980904
■ CN1278151 A	20001227	CN19988010668	19980904
■ CN1278707 A	20010103	CN19988010667	19980904
■ DE69812377 D1	20030424	DE19986012377	19980904
■ DE69812377 D1	20030424	DE19986012377T	19980904
■ DE69812377 T2	20031218	DE19986012377T	19980904
■ DE69812378 D1	20030424	DE19986012378T	19980904
■ DE69812378 D1	20030424	DE19986012378	19980904
■ DE69812378 T2	20031211	DE19986012378T	19980904
■ EP1009270 A1	20000621	EP19980943936	19980904
■ EP1009270 B1	20030319	EP19980943936	19980904
■ EP1009271 A1	20000621	EP19980943937	19980904
■ EP1009271 B1	20030319	EP19980943937	19980904
■ IT244985 Y1	20020314	IT1998CO00005U	19980320
■ ITCO970015 U0	19970905	IT1997CO00015U	19970905
■ ITCO970015 U1	19990305	IT1997CO00015U	19970905
■ ITCO980005 U0	19980320	IT1998CO00005U	19980320
■ ITCO980005 U1	19990920	IT1998CO00005U	19980320
■ US6205909 BA	20010327	US20000486985	20000523
■ US6253664 BA	20010703	US20000486988	20000612
■ WO9912455 A1	19990318	WO1998FR01904	19980904
■ WO9912456 A1	19990318	WO1998FR01905	19980904
■ WO9912457 A1	19990318	WO1998FR01906	19980904

Priority:

IT1997CO00015U 19970905

IT1998CO00015U 19970905

IT1998CO00005U 19980320

WO1998FR01905 19980904

WO1998FR01906 19980904

Probable Assignee: SEB SA

Assignee(s): (std): GIANNELLI GIUSEPPE ; ILENAIG SAS DI GIANNELLI GIUSE ; ILENAIG SAS GINNELLI GIUSEPPE ; ILENAIG SAS DI GIANNELLI GIUSEPPE ; MOULINEX SA ; SEB SA

Assignee(s): SEB S A ; MOULINEX S A CAEN ; SEB S A ECULLY ; MOULINEX S A ; MOULINEX POSTALE SA

Inventor(s): (std): G GIANNELLI ; GIANNELLI GIUSEPPE ; GIANNELLI G

Inventor(s): GIUSEPPE GIANNELLI
Agent(s): YOUNG AND THOMPSON
Designated states: AT BE CH CN CY DE DK ES FI FR GB GR IE IT JP LI LU MC MX NL PT SE US

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
CN1108774 C	20030521	LSGT	+	granted / extensions (spc, cpc, pte)	
CN1108774 C	20030521	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN1108774 C	20030820	LSAS	ASS	SUCCESSION OR ASSIGNMENT OF PATENT RIGHT	PARTYTYPE : OWNER OWNER : MOULINEX SA OLDPARTY : FORMER OWNER : MOULINEX S.A. EFFECTIVE DATE : 20030704
CN1108774 C	20030820	LSAS	C41	TRANSFER OF PATENT APPLICATION OR PATENT RIGHT OR UTILITY MODEL	
CN1108774 C	20031001	LSRE	COR	CHANGE OF BIBLIOGRAPHIC DATA	TEXT : CORRECT: PRIORITY; FROM: C098 U000015 TO: C097 U000015
CN1108774 C	20180928	LSLE	-CX01	EXPIRY OF PATENT TERM	
CN1108774 C	20180904	PEXP		Calculated Patent Term Expiry	
CN1142740 C	20040324	LSGT	+	granted / extensions (spc, cpc, pte)	
CN1142740 C	20040324	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN1142740 C	20180928	LSLE	-CX01	EXPIRY OF PATENT TERM	
CN1142740 C	20180904	PEXP		Calculated Patent Term Expiry	
CN1278151 A	20001227	LSPB	+	published / reissued	
CN1278151 A	20001227	LSPB	+C06	PUBLICATION	
CN1278707 A	20010103	LSPB	+	published / reissued	
CN1278707 A	20010103	LSPB	+C06	PUBLICATION	
CN1278707 A	20030319	LSAS	ASS	SUCCESSION OR ASSIGNMENT OF PATENT RIGHT	PARTYTYPE : OWNER OWNER : MOULINEX SA OLDPARTY : FORMER OWNER : MOULINEX S.A. EFFECTIVE DATE : 20030123
CN1278707 A	20030319	LSAS	C41	TRANSFER OF PATENT APPLICATION OR PATENT RIGHT OR UTILITY MODEL	
DE69812377 D1	20030717	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : SEB S.A., ECULLY, FR
DE69812377 D1	20030717	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : SEB S.A., ECULLY, FR
DE69812377 D1	20030717	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : SEB S.A., ECULLY, FR
DE69812377 D1	20030717	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : SEB S.A., ECULLY, FR
DE69812377 D1	20040415	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE69812377 D1	20040415	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE69812377 D1	20180904	LSLE	-R071	EXPIRY OF RIGHT	
DE69812377 D1	20180904	LSLE	-R071	EXPIRY OF RIGHT	
DE69812377 T2	20031218	LSGT	+	granted / extensions (spc, cpc, pte)	
DE69812377 T2	20040415	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	

DE69812377 T2	20180904	LSLE	-R071	EXPIRY OF RIGHT	
DE69812377 T2	20180904	PEXP		Calculated Patent Term Expiry	
DE69812378 D1	20030731	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : SEB S.A., ECULLY, FR
DE69812378 D1	20030731	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : SEB S.A., ECULLY, FR
DE69812378 D1	20030731	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : SEB S.A., ECULLY, FR
DE69812378 D1	20030731	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : SEB S.A., ECULLY, FR
DE69812378 D1	20040415	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE69812378 D1	20040415	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE69812378 D1	20180904	LSLE	-R071	EXPIRY OF RIGHT	
DE69812378 D1	20180904	LSLE	-R071	EXPIRY OF RIGHT	
DE69812378 T2	20031211	LSGT	+	granted / extensions (spc, cpc, pte)	
DE69812378 T2	20040415	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE69812378 T2	20180904	LSLE	-R071	EXPIRY OF RIGHT	
DE69812378 T2	20180904	PEXP		Calculated Patent Term Expiry	
EP1009270 A1	20000621	LSPB	+	published / reissued	
EP1009270 A1	20000621	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20000405
EP1009270 A1	20011114	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20010927
EP1009270 A1	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160914 YEAR OF FEE PAYMENT : 19
EP1009270 B1	20030319	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1009270 B1	20030319	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D TEXT : NOT ENGLISH
EP1009270 B1	20030327	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1009270 B1	20030521	LSAS	RAP2	RIGHTS OF A PATENT TRANSFERRED	PARTYTYPE : OWNER OWNER : SEB S.A.
EP1009270 B1	20040310	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20031222
EP1009270 B1	20151030	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20150921 YEAR OF FEE PAYMENT : 18
EP1009270 B1	20151030	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20150904 YEAR OF FEE PAYMENT : 18
EP1009270 B1	20151231	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20150915 YEAR OF FEE PAYMENT : 18
EP1009270 B1	20170428	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP1009270 B1	20170524	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20160904
EP1009270 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE	COUNTRY OF REF DOCUMENT : CH

					[ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160930
EP1009270 B1	20170731	LSLE	-PG25		LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160904
EP1009270 B1	20170731	LSLE	-PG25		LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160930
EP1009270 B1	20170831	LSLE	-PG25		LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160904
EP1009270 B1	20171031	LSFE	+PGFP		ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170911 YEAR OF FEE PAYMENT : 20
EP1009270 B1	20180904	LSLE	REG		REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R071 REF DOCUMENT NUMBER : 69812377 COUNTRY OF REF DOCUMENT : DE
EP1009270 B1	20180904	PEXP			Calculated Patent Term Expiry	
EP1009271 A1	20000621	LSPB	+		published / reissued	
EP1009271 A1	20000621	LSES	+17P		REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20000405
EP1009271 A1	20011114	LSES	+17Q		FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20010927
EP1009271 A1	20161031	LSFE	+PGFP		ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160914 YEAR OF FEE PAYMENT : 19
EP1009271 B1	20030319	LSGT	+		granted / extensions (spc, cpc, pte)	
EP1009271 B1	20030319	LSGT	REG		REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D TEXT : NOT ENGLISH
EP1009271 B1	20030327	LSNP	REG		REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1009271 B1	20030521	LSAS	RAP2		RIGHTS OF A PATENT TRANSFERRED	PARTY TYPE : OWNER OWNER : SEB S.A.
EP1009271 B1	20040310	LSGT	+26N		NO OPPOSITION FILED	EFFECTIVE DATE : 20031222
EP1009271 B1	20151030	LSFE	+PGFP		ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20150904 YEAR OF FEE PAYMENT : 18
EP1009271 B1	20151030	LSFE	+PGFP		ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20150921 YEAR OF FEE PAYMENT : 18
EP1009271 B1	20151231	LSFE	+PGFP		ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20150915 YEAR OF FEE PAYMENT : 18
EP1009271 B1	20170428	LSLE	REG		REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP1009271 B1	20170524	LSLE	-GBPC		GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20160904

EP1009271 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160930
EP1009271 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160904
EP1009271 B1	20170731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160930
EP1009271 B1	20170831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160904
EP1009271 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170911 YEAR OF FEE PAYMENT : 20
EP1009271 B1	20180904	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R071 REF DOCUMENT NUMBER : 69812378 COUNTRY OF REF DOCUMENT : DE
EP1009271 B1	20180904	PEXP		Calculated Patent Term Expiry	
IT244985 Y1	20020314	LSPB	+	published / reissued	
ITCO970015 U1	19990305	LSPB	+	published / reissued	
ITCO980005 U1	19990920	LSPB	+	published / reissued	
US6205909 BA	20010327	LSGT	+	granted / extensions (spc, cpc, pte)	
US6205909 BA	20001204	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : MOULINEX S.A., FRANCE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: GIANNELLI, GIUSEPPE; REEL/FRA: 011381/0731 EFFECTIVE DATE : 20000504
US6205909 BA	20010309	LSGT	PAT1	Patented Case	
US6205909 BA	20010309	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US6205909 BA	20030527	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SEB S.A., FRANCE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: MOULINEX S.A.; REEL/FRA: 013678/0692 EFFECTIVE DATE : 20020318
US6205909 BA	20030603	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SEB S.A., FRANCE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: MOULINEX S.A.; REEL/FRA: 013699/0447 EFFECTIVE DATE : 20020318
US6205909 BA	20040719	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6205909 BA	20080805	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6205909 BA	20120819	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US6205909 BA	20200523	PEXP		Calculated Patent Term Expiry	
US6253664 BA	20010703	LSGT	+	granted / extensions (spc, cpc, pte)	

US6253664 BA	20001208	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : MOULINEX S.A., FRANCE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:GIANNELLI, GIUSEPPE; REEL/FRA:011357/0021 EFFECTIVE DATE : 20000504
US6253664 BA	20010614	LSGT	PAT1	Patented Case	
US6253664 BA	20010614	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US6253664 BA	20030523	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SEB S.A., FRANCE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:MOULINEX S.A.; REEL/FRA:013678/0440 EFFECTIVE DATE : 20020318
US6253664 BA	20030605	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SEB S.A., FRANCE OLDPARTY : DOCUMENT RE- RECORDED TO REMOVE PROPERTY NUMBER 5,5; ASSIGNOR:MOULINEX S.A.; REEL/FRA:013712/0125 EFFECTIVE DATE : 20020318
US6253664 BA	20050222	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US6253664 BA	20081230	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US6253664 BA	20121216	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US6253664 BA	20200612	PEXP		Calculated Patent Term Expiry	
WO9912455 A1	19990318	LSPB	+	published / reissued	
WO9912455 A1	20010103	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF COUNTRY CODE : WO
WO9912456 A1	19990318	LSPB	+	published / reissued	
WO9912456 A1	19980904	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 98810667.1 COUNTRY OF REF DOCUMENT : CN
WO9912456 A1	20000306	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1998943936 COUNTRY OF REF DOCUMENT : EP
WO9912456 A1	20000523	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 09486985 COUNTRY OF REF DOCUMENT : US
WO9912456 A1	20000621	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1998943936 COUNTRY OF REF DOCUMENT : EP
WO9912456 A1	20030319	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1998943936 COUNTRY OF REF DOCUMENT : EP
WO9912457 A1	19990318	LSPB	+	published / reissued	
WO9912457 A1	19980904	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 98810668.X COUNTRY OF REF DOCUMENT : CN
WO9912457 A1	20000306	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1998943937 COUNTRY OF REF DOCUMENT : EP
WO9912457 A1	20000612	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 09486988 COUNTRY OF REF DOCUMENT : US
WO9912457 A1	20000621	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1998943937 COUNTRY OF REF DOCUMENT : EP

WO9912457 A1 20030319

LSGT

+WWG

WIPO INFORMATION:
GRANT IN NATIONAL
OFFICE

REF DOCUMENT NUMBER :
1998943937
COUNTRY OF REF DOCUMENT
: EP

Title: Liquid dispensing **machine**

Abstract: A **machine** for filling a drinking vessel to a desired level, irrespective of the lateral dimensions of the vessel includes means for supporting the vessel 29 below a delivery pipe 18 for the liquid 33, and a reflex sensor 19 comprising means 30 for directing a beam of radiation into the open mouth of the vessel and a detector 31 to detect the intensity of the radiation reflected from the surface 32 of the liquid. When the intensity of reflected radiation detected by the detector 31 reaches a given level, corresponding to the desired level of liquid in the vessel, a control module 23 associated with the reflex sensor 19 automatically de-energises a solenoid 24 which closes a valve 21 in the delivery pipe 18 and cuts off the supply of liquid to the vessel. If the liquid has a surface with a settlable nature, such as the frothy surface of a beer, the supply of liquid is automatically resumed when the level falls, preferably after a predetermined delay to prevent excessive topping-up operations.

Classifications:

International (IPC 8-9): B67D1/06 B67D1/12

G01F23/292 (Advanced/Invention);

B67D1/00 G01F23/284 (Core/Invention)

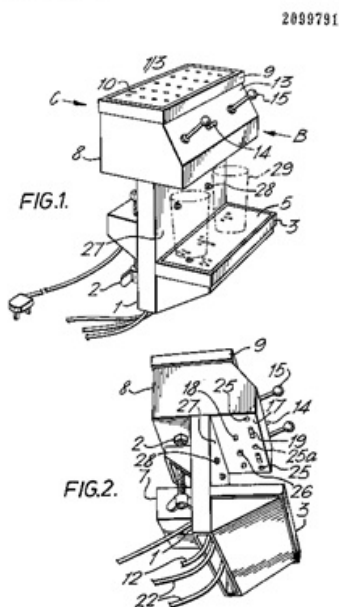
International (IPC 1-7): B67D1/12 B67D5/08 B67D5/30 G05D9/12

CPC: B67D1/06 B67D1/1238 B67D1/124 G01F23/292

European: B67D1/06 B67D1/12B2 B67D1/12B3 B67D1/12B6D

B67D1/12B6F G01F23/292

PatBase - GB2099791_A1



Family:

Publication number	Publication date	Application number	Application date
DE3220685 A1	19821223	DE19823220685	19820602
GB2099791 A1	19821215	GB19820015215	19820525
GB2099791 B2	19841114	GB19820015215	19820525
IE50975 B	19860820	IE19810000776	19810606
IE810776 L	19821206	IE19810000776	19810606

Priority:

IE19810000776 19810606

Probable Assignee: NOEL FAIRBROTHER

Assignee(s): (std): FAIRBROTHER NOEL ; NOEL FAIRBROTHER

Inventor(s): (std): FAIRBROTHER NOEL

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
DE3220685 A1	19821223	LSPB	+	published / reissued	
DE3220685 A1	19880616	LSLE	-8139	DISPOSAL/NON-PAYMENT OF THE ANNUAL FEE	
GB2099791 A1	19821215	LSPB	+	published / reissued	
GB2099791 B2	19841114	LSGT	+	granted / extensions (spc, cpc, pte)	
GB2099791 B2	19880113	LSLE	-PCNP	PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	
GB2099791 B2	20020525	PEXP		Calculated Patent Term Expiry	
IE50975 B	19860820	LSGT	+	granted / extensions (spc, cpc, pte)	
IE50975 B	20010606	PEXP		Calculated Patent Term Expiry	

Title: APPARATUS FOR IMPREGNATING WATER WITH CARBON DIOXIDE

Abstract: A vessel (1) for impregnating water with carbon dioxide is pressure-tight and has inlets (4, 5) for water and carbon dioxide. Within the vessel, a cooling surface (9) is provided, connected to an external refrigeration circuit. Within the vessel and below the level of water, an underwater pump (15) is provided for producing a circulation of water inside the vessel. Carbon dioxide in finely divided form is introduced into the flowing water, preferably via the pump (15) for producing the water circulation. In use, an ice jacket 11 forms on the cooling surface (9). 1 Claim, 4 Drawing Figures

Classifications:

International (IPC 8-9): A23L2/00 A63C5/12 B01F1/00 B01F15/06 B01F3/04 (Advanced/Invention);

A63C5/12 B01F1/00 B01F15/00 B01F3/04 (Core/Invention)

International (IPC 1-7): A23L2/00 A23L2/26 A23L2/38 B01F1/00 B01F13/02 B01F15/00 B01F15/06 B01F3/04 B01F7/00 B67D1/04 C02D1/04

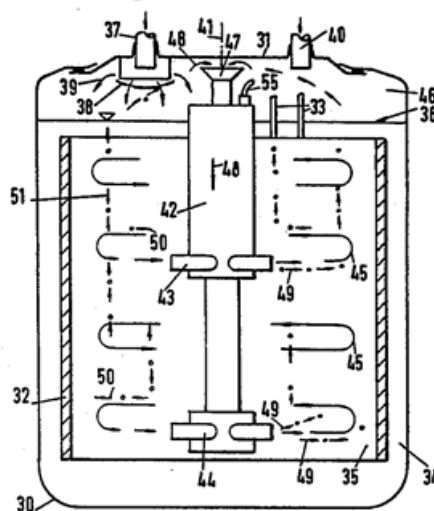
CPC: B67D1/00 B01F3/04 B01F15/06 Y10S261/07 Y10S261/27 B67D1/0057 B01F3/04808 B01F15/066 B01F2015/061 E05Y2201/416 E05Y2900/20

European: B01F15/06 B01F15/06F B01F3/04C8G B67D1/00H4

L01F15/06A P05Y201/416 P05Y900/200

US: 261/155 261/29 261/36.1 261/92 261/93 261/DIG.27 261/DIG.7 415/203 426/477 99/323.1

PatBase - US4530803_A

**Family:**

Publication number	Publication date	Application number	Application date
AT364690 B	19811110	AT19790005072	19790723
AT507279 A	19810415	AT19790005072	19790723
AU197949680 A1	19810212	AU19790049680	19790808
AU526953 B2	19830210	AU19790049680	19790808
BE877855 A	19791116	BE19792057973	19790724
BR7904657 A	19800715	BR19790004657	19790720
CA1129334 A1	19820810	CA19790332363	19790723
CH639866 A	19831215	CH19790005610	19790615
DE2832377 A1	19800207	DE19782832377	19780724
DE2832377 C2	19821125	DE19782832377	19780724
DE2848146 A1	19800508	DE19782848146	19781107
ES482812 A1	19800416	ES19790482812	19790724
FR2433306 A1	19800314	FR19790019389	19790723
FR2433306 B1	19841116	FR19790019389	19790723
GB2026880 A1	19800213	GB19790025135	19790719
GB2026880 B2	19820512	GB19790025135	19790719
GR73525 B	19840309	GR19790159671	19790723
IL57772 A0	19791130	IL19790057772	19790711
IL57772 A1	19820930	IL19790057772	19790711
IT1122266 A	19860423	IT19790024562	19790723
IT7924562 A0	19790723	IT19790024562	19790723
JP1377271 C3	19870508	JP19790092729	19790723
JP55020697 A2	19800214	JP19790092729	19790723
JP61036970 B4	19860821	JP19790092729	19790723
NL186615 B	19900816	NL19790005324	19790706
NL186615 C	19910116	NL19790005324	19790706
NL7905324 A	19800128	NL19790005324	19790706
SE439253 B	19850610	SE19790006290	19790723
SE439253 C	19850919	SE19790006290	19790723
SE7906290 A	19800126	SE19790006290	19790723
SE7906290 L	19800126	SE19790006290	19790723
SE7906290 L	19800125	SE19790006290	19790723
US4530803 A	19850723	US19840660570	19841016
US4923644 A	19900508	US19840660570	19841016
YU163579 A	19820831	YU19790001635	19790705
YU40228 B	19850831	YU19790001635	19790705
ZA7903500 A	19800730	ZA19790003500	19790712

Priority:

DE19782832377	19780724	DE19832023775U	19780724	DE19782848146	19781107
DE19842081461U	19781107	US19790059264	19790720	US19790091404	19791106
US19820343876	19820129				

Probable Assignee: DAGMA DEUTSCHE AUTOMATEN U GETRANKEMASCHINEN GES MIT BESCHRANKTER HAFTUNG A CO OF GERMANY

Assignee(s): (std): DAGMA DEUTSCH AUTOMATEN UND GE ; DAGMA GMBH AND CO ; KUCKENS ALEXANDER ; DAGMA DEUTSCH AUTOMATEN U GE

Assignee(s): DAGMA DEUTSCH AUTOMATEN U GETRANKEMASCHINEN GMBH ; DAGMA DEUTSCHE AUTOMATEN GETRANK ; DAGMA DEUTSCH AUTOMATEN UND GETRANKEMASCHINEN GMBH ; CO KG ; DAGMA AUTOMATEN GETRAENKEMASCH GMBH AND CO KG ; DOUWE EGBERTS GETRANKE SERVICE GMBH KG ; GETRANKEMASCHINEN GMBH AND CO KG ; DOUWE EGBERTS GETRANKE SERVICE GMBH AND CO A PARTN ; DAGMA DEUTSCHE AUTOMATEN UND GETRAENKEMASCHINEN GMBH AND CO KG ; DAGMA DEUTSCHE AUTOMATEN UND GETRANKEMASCHINEN GMBH AND CO K G ; DAGMA DEUTSCHE AUTOMATEN UND GETRANKEMASCHINEN G M B H AND CO K G ; DAGMA DEUTSCHE AUTOMATEN UND GETRANKEMASCHINEN GESELLSCHAFT MIT ; DAGMA DEUTSCHE AUTOMATEN UND GETRAENKEMASCHINEN GESELLSCHAFT MBH AND CO ; DAGMA DEUTSCHE AUTOMATEN UND GETRAENKEMASCHINEN GMBH AND CO KG 2067 REINFELD DE ; DAGMA DEUTSCHE AUTOMATEN UND GETRANKOMASCHINEN GMBH ; DAGMA DEUTSCHE AUTOMATEN UND GETRANKEMASCHINEN GMBH AND CO KG ; DAGUMA DOICHE AUTOMATEN UNTO GETORENKEMASHIINEN GMBH UNTO CO ; DAGMA DEUTSCHE AUTOMATEN UND GETRAENKEMASCHINEN GESELLSCHAFT MIT BESCHRAENKTER HAFTUNG AND CO TE REINFELD BONDSREPUBLIEK DUITSLAND ; DAGMA DEUTSCHE AUTOMATEN UND GETRAENKEMASCHI NEN GESELLSCHAFT MIT BESCHRAENKTER HAFTUNG AND CO TE REINFELD H BONDSREPUBLIEK DUITSLAND ; DAGMA DEUTSCHE AUTOMATEN UND GETRENKEMASCHINEN GMBH AND ; DOUWE EGBERTS GETRANKE SERVICE GMBH AND CO A PARTNERSHIP CO OF FED REP OF GERMANY KG LTD ; DAGMA DEUTSCHE AUTOMATEN U GETRENKEMASCHINEN GMBH AND ; GETRANKEMASCHINEN GMBH AND COKG ; DOUWE EGBERTS GETRANKE SERVICE GMBH AND CO KG ; DAGMA DEUTSCHE AUTOMATEN ; DAGMA DEUTSCHE AUTOMATEN AND GETRANKEMASCH GMBH AND CO KG ; DAGMA DEUTSCHE AUTOMATEN GETRANKEMASCHINEN GMBH CO KG ; DAGMA DEUTSCHE AUTOMATEN U ; DAGMA DEUTSCHE AUTOMATEN U GETRANKEMASCHINEN GES ; DAGMA DEUTSCHE AUTOMATEN U GETRANKEMASCHINEN GMBH ; DAGMA DEUTSCHE AUTOMATEN U GETRANKEMASCHINEN GES M ; DAGMA DEUTSCHE AUTOMATEN U GETRANKEMASCHINEN GES MIT BESCHRAENKTER HAFTUNG ; DAGMA DEUTSCHE AUTOMATEN U GETRANKEMASCHINEN GES MIT BESCHRAENKTER HAFTUNG A CO OF GERMANY ; DAGMA DEUTSCHE AUTOMATEN U GETRANKEMASCHINEN GMBH AND CO A CORP OF GERMANY KG ; DAGMA DEUTSCHE AUTOMATEN U GETRAENKEMASCHI NEN GES MIT BESCHRAENKTER HAFTUNG AND CO TE REINFELD H ; DAGMA DEUTSCHE AUTOMATEN U GETRAENKEMASCHINEN GES MIT BESCHRAENKTER HAFTUNG AND CO TE REINFELD BONDSREPUBLIEK DUITSLAND ; DAGMA DEUTSCHE AUTOMATEN U GETRANKOMASCHINEN GMBH ; DAGMA DEUTSCHE AUTOMATEN U GETRAENKEMASCHINEN GMBH AND CO KG ; DAGMA DEUTSCHE AUTOMATEN U GETRANKEMASCHINEN GMBH AND CO KG ; DAGMA DEUTSCHE AUTOMATEN U GETRANKEMASCHINEN GES MIT ; DAGMA DEUTSCHE AUTOMATEN U GETRANKEMASHINEN GMBH AND CO KG ; DAGMA DEUTSCHE AUTOMATEN U GETRAENKEMASCHINEN GES MBH AND CO ; DAGMA DEUTSCHE AUTOMATEN U GETRANKEMASCHINEN GMBH AND COKG

Inventor(s): (std): KUCKENS ALEXANDER ; KUECKENS A ; AREKUSANDERU KIYUTSUKENSU ; KUECKENS ALEXANDER ; KOCKENS A ; KUCKENS A

Inventor(s): KUECKENS ALEXANDER 2000 HAMBURG DE ; A KUCKENS ; AREKUSANDERU KYUTSUKENSU ; ALEXANDER KUCKENS ; ALEXANDER KUECKENS

Agent(s): FB RICE AND CO; REINHOLD COHN AND PARTNERS

Legal status (INPADOC)

View legal status timeline

Patent	Date recorded	Event group	Code	Event	Details
AT364690 B	19811110	LSGT	+	granted / extensions (spc, cpc, pte)	
AT364690 B	19920615	LSAS	EIH	CHANGE IN THE PERSON OF PATENT OWNER	
AT364690 B	19960115	LSLE	-ELJ	CEASED DUE TO NON-PAYMENT OF THE ANNUAL FEE	
AT364690 B	19990723	PEXP		Calculated Patent Term Expiry	
AT507279 A	19810415	LSPB	+	published / reissued	
AU197949680 A1	19810212	LSPB	+	published / reissued	
AU526953 B2	19830210	LSGT	+	granted / extensions (spc, cpc, pte)	
AU526953 B2	19990808	PEXP		Calculated Patent Term Expiry	
BE877855 A	19791116	LSPB	+	published / reissued	
BE877855 A	19921231	LSAS	CA	CHANGE OF ADDRESS OF THE OWNER OF THE PATENT	
BE877855 A	19921231	LSAS	CH	CHANGE OF PATENT OWNER	
BE877855 A	19940131	LSLE	-RE	PATENT LAPSED	PARTYTYPE : OWNER OWNER : KOMMANDITGESELLSCHAFT DOUWE EGBERTS GETRÄNKE SERV EFFECTIVE DATE : 19930731
BR7904657 A	19800715	LSPB	+	published / reissued	
BR7904657 A	19950418	LSLE	-MK	PATENT EXPIRED	EFFECTIVE DATE : 19940720
CH639866 A	19831215	LSGT	+	granted / extensions (spc, cpc, pte)	
CH639866 A	19920115	LSAS	PUE	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KOMMANDITGESELLSCHAFT DOUWE EGBERTS GETRAENKE- SERV

CH639866 A	19960229	LSLE	-PL	PATENT CEASED	
CH639866 A	19990615	PEXP		Calculated Patent Term Expiry	
DE2832377 A1	19800207	LSPB	+	published / reissued	
DE2832377 A1	19800313	LSES	+OD	REQUEST FOR EXAMINATION	
DE2832377 A1	19820805	LSAS	8127	NEW PERSON/NAME/ADDRESS OF THE APPLICANT	PARTYTYPE : OWNER OWNER : DAGMA DEUTSCHE AUTOMATEN- UND GETRAENKEMASCHINEN G
DE2832377 C2	19821125	LSGT	+	granted / extensions (spc, cpc, pte)	
DE2832377 C2	19821125	LSGT	+D2	GRANT AFTER EXAMINATION	
DE2832377 C2	19830505	LSOP	-8363	OPPOSITION AGAINST THE PATENT	
DE2832377 C2	19851003	LSGT	+8365	FULLY VALID AFTER OPPOSITION PROCEEDINGS	
DE2832377 C2	19920430	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : KOMMANDITGESELLSCHAFT DOUWE EGBERTS GETRAENKE-SERV
DE2832377 C2	19960711	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
DE2848146 A1	19800508	LSPB	+	published / reissued	
DE2848146 A1	19800508	LSES	+OAP	REQUEST FOR EXAMINATION FILED	
DE2848146 A1	19800612	LSES	+OD	REQUEST FOR EXAMINATION	
DE2848146 A1	19810910	LSWD	-8130	WITHDRAWAL	
ES482812 A1	19800416	LSGT	+	granted / extensions (spc, cpc, pte)	
ES482812 A1	19970716	LSLE	-FD1A	PATENT LAPSED	EFFECTIVE DATE : 19970519
FR2433306 A1	19800314	LSPB	+	published / reissued	
FR2433306 B1	19841116	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2433306 B1	19921002	LSAS	TP	TRANSMISSION OF PROPERTY	
FR2433306 B1	19940527	LSLE	-ST	NOTIFICATION OF LAPSE	
FR2433306 B1	19990723	PEXP		Calculated Patent Term Expiry	
GB2026880 A1	19800213	LSPB	+	published / reissued	
GB2026880 B2	19820512	LSGT	+	granted / extensions (spc, cpc, pte)	
GB2026880 B2	19940316	LSLE	-PCNP	PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	EFFECTIVE DATE : 19930719
GB2026880 B2	19990719	PEXP		Calculated Patent Term Expiry	
GR73525 B	19840309	LSGT	+	granted / extensions (spc, cpc, pte)	
GR73525 B	19940723	PEXP		Calculated Patent Term Expiry	
IL57772 A1	19820930	LSPB	+	published / reissued	
IT1122266 A	19860423	LSGT	+	granted / extensions (spc, cpc, pte)	
IT1122266 A	19990723	PEXP		Calculated Patent Term Expiry	
JP1377271 C3	19870508	LSGT	+	granted / extensions (spc, cpc, pte)	
JP55020697 A2	19800214	LSPB	+	published / reissued	
JP61036970 B4	19860821	LSPB	+	published / reissued	
NL186615 B	19900816	LSPB	+	published / reissued	
NL186615 B	19990706	PEXP		Calculated Patent Term Expiry	

NL186615 C	19910116	LSGT	+	granted / extensions (spc, cpc, pte)	
NL186615 C	19920416	LSAS	SNR	ASSIGNMENTS OF PATENTS OR RIGHTS ARISING FROM EXAMINED PATENT APPLICATIONS	PARTYTYPE : OWNER OWNER : KOMMANDITGESELLSCHAFT DOUWE EGBERTS GETRAENKE- SERV
NL186615 C	19920506	LSAS	SNR	ASSIGNMENTS OF PATENTS OR RIGHTS ARISING FROM EXAMINED PATENT APPLICATIONS	PARTYTYPE : OWNER OWNER : KOMMANDITGESELLSCHAFT DOUWE EGBERTS GETRAENKE- SERV
NL186615 C	19920518	LSAS	SNR	ASSIGNMENTS OF PATENTS OR RIGHTS ARISING FROM EXAMINED PATENT APPLICATIONS	PARTYTYPE : OWNER OWNER : KOMMANDITGESELLSCHAFT DOUWE EGBERTS GETRAENKE- SERV
NL186615 C	19940316	LSLE	-V1	LAPSED BECAUSE OF NON-PAYMENT OF THE ANNUAL FEE	
NL186615 C	19990706	PEXP		Calculated Patent Term Expiry	
NL7905324 A	19800128	LSPB	+	published / reissued	
SE439253 B	19850610	LSPB	+	published / reissued	
SE439253 B	19950131	LSLE	-NUG	PATENT HAS LAPSED	TEXT : 7906290-7 EFFECTIVE DATE : 19940210
SE439253 C	19850919	LSGT	+	granted / extensions (spc, cpc, pte)	
SE439253 C	19990723	PEXP		Calculated Patent Term Expiry	
SE7906290 A	19800126	LSPB	+	published / reissued	
US4530803 A	19850723	LSGT	+	granted / extensions (spc, cpc, pte)	
US4530803 A	19891010	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 19890723
US4530803 A	20000718	LSWD	-WDR	PATENT WITHDRAWN ACCORDING TO LISTING ISSUED BY THE USPTO ON PRS-DATE	
US4923644 A	19900508	LSGT	+	granted / extensions (spc, cpc, pte)	
US4923644 A	19880527	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DAGMA DEUTSCHE AUTOMATEN UND GETRANKEMASCHINEN GMB OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:KUCKENS, ALEXANDER; REEL/FRAME:004883/0474 EFFECTIVE DATE : 19850730
US4923644 A	19880527	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DAGMA DEUTSCHE AUTOMATEN UND GETRANKEMASCHINEN GMB OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNOR:KUCKENS, ALEXANDER; REEL/FRAME:004883/0474 EFFECTIVE DATE : 19850730
US4923644 A	19890723	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US4923644 A	19900307	LSGT	PAT1	Patented Case	
US4923644 A	19900307	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US4923644 A	19920203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : DAGMA DEUTSCHE AUTOMATEN- UND GETRANKEMASCHINEN GE OLDPARTY : CHANGE OF NAME; ASSIGNOR:DAGMA DEUTSCHE AUTOMATEN- UND GETRANKEMASCHINEN GMBH & CO. KG, A CO. OF GERMANY; REEL/FRAME:006011/0087 EFFECTIVE DATE : 19911106
US4923644 A	19920203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER

					OWNER : DAGMA DEUTSCHE AUTOMATEN- UND GETRANKEMASCHINEN GE OLDPARTY : CHANGE OF NAME; ASSIGNOR:DAGMA DEUTSCHE AUTOMATEN- UND GETRANKEMASCHINEN GESELLSCHAFT MIT BESCHRANKTER HAFTUNG & CO. KG; REEL/FRAME:006011/0099 EFFECTIVE DATE : 19911104
US4923644 A	19920203	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : KOMMANDITGESELLSCHAFT DOUWE EGBERTS GETRANKE- SERVI OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNOR:DAGMA DEUTSCHE AUTOMATEN- UND GETRANKEMASCHINEN GMBH; REEL/FRAME:006011/0117 EFFECTIVE DATE : 19900423
US4923644 A	19931105	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US4923644 A	20070508	PEXP		Calculated Patent Term Expiry	
YU163579 A	19820831	LSPB	+	published / reissued	
YU40228 B	19850831	LSPB	+	published / reissued	
ZA7903500 A	19800730	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA7903500 A	19990711	PEXP		Calculated Patent Term Expiry	

Title: AN AUTOMATIC CENTERING SYSTEM FOR BOTTLES AND VESSELS FOR BEVERAGE DISPENSING APPARATUSES

Abstract: An **automatic beverage dispensing** apparatus comprising automatic centering means for bottles and vessels in beverage dispensing apparatuses, such as to allow the proper insertion into and the proper positioning of the bottle in said apparatuses also when the operator is unskilled or does not apply the required care in the step of inserting the bottle into said **automatic beverage dispensing** apparatus. The automatic centering means according to the present invention also allow, advantageously, easy installation on existing dispensing apparatuses so as to allow the retrofitting thereof.

Classifications:

International (IPC 8-9): B67D1/04 B67D1/08 (Advanced/Invention)

CPC: B67D1/0412 B67D1/0842



Family:

Publication number	Publication date	Application number	Application date
DK3003961 T3	20200309	DK20140738602T	20140527
EP3003961 A1	20160413	EP20140738602	20140527
EP3003961 B1	20191204	EP20140738602	20140527
ITFI20130124 A1	20141129	IT2013FI00124	20130528
WO14191908 A1	20141204	WO2014IB61739	20140527

Priority:

IT2013FI00124 20130528 WO2014IB61739 20140527

Probable Assignee: ENOMATIC S R L

Assignee(s): (std): ENOMATIC S R L

Assignee(s): ENOMATIC SRL

Inventor(s): (std): BENCISTA FALORNI LORENZO ; BENCISTA FALORNI GIANNI

Agent(s): SAVI MASSIMILIANO; CINQUANTINI BRUNO ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR 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 PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
DK3003961 T3	20200309	LSGT	+	granted / extensions (spc, cpc, pte)	
DK3003961 T3	20340527	PEXP		Calculated Patent Term Expiry	
EP3003961 A1	20160413	LSPB	+	published / reissued	
EP3003961 A1	20160413	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20151224
EP3003961 A1	20190417	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20190320
EP3003961 A1	20190904	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20190806
EP3003961 B1	20191204	LSGT	+	granted / extensions (spc, cpc, pte)	
EP3003961 B1	20191204	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP3003961 B1	20191213	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP3003961 B1	20191215	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 1209160 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20191215

EP3003961 B1	20191224	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602014057795 COUNTRY OF REF DOCUMENT : DE
EP3003961 B1	20191225	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D
EP3003961 B1	20200115	LSAS	RAP2	RIGHTS OF A PATENT TRANSFERRED	PARTYTYPE : OWNER OWNER : ENOMATIC S.R.L.
EP3003961 B1	20200427	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP3003961 B1	20200501	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20200305
EP3003961 B1	20200501	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20191204
EP3003961 B1	20200501	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LT NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20191204
EP3003961 B1	20200501	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20200304
EP3003961 B1	20200501	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LV NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20191204
EP3003961 B1	20200501	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20191204
EP3003961 B1	20200501	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NO NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20200304
EP3003961 B1	20340527	PEXP		Calculated Patent Term Expiry	
ITF120130124 A1	20141129	LSPB	+	published / reissued	
WO14191908 A1	20141204	LSPB	+	published / reissued	
WO14191908 A1	20151130	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO14191908 A1	20151223	LSNP	+WWE	WIPO INFORMATION:	REF DOCUMENT NUMBER :

ENTRY INTO
NATIONAL PHASE

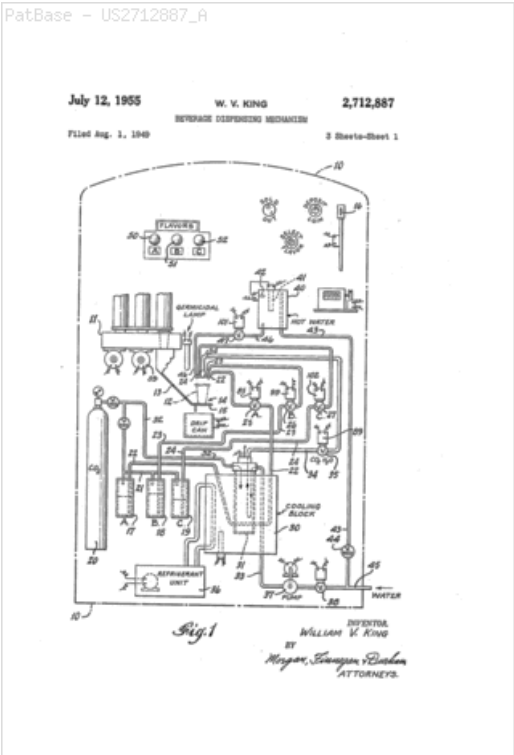
2014738602
COUNTRY OF REF DOCUMENT :
EP

Title: BEVERAGE DISPENSING MECHANISM

Abstract: (Claim 1) 1. In a beverage dispensing machine, a plurality of flavor containers, a first beverage component supply, a second beverage component supply, a beverage dispensing mechanism, a first selector means responsive to the actuation of the first selector means, a second selector means responsive to the actuation of the second selector means, means for controlling the flow of one of said flavors and the other of said components to said dispensing mechanism and means responsive to the actuation of one of said selector means for preventing the operation of the other of said selector means.

Classifications:

International (IPC 8-9): G07F13/06 (Advanced/Invention);
G07F13/06 (Core/Invention)
International (IPC 1-7): B67D5/56 G07F13/10
CPC: G07F13/065
European: G07F13/06B
US: 194/242 222/132 222/135 222/2 99/275 99/283 99/323.3



Family:

Publication number	Publication date	Application number	Application date
US2712887 A	19550712	US19490108005	19490801

Priority:

US19490108005 19490801

Probable Assignee: ROWE SPACARB INC
Assignee(s): (std): ROWE SPACARB INC
Inventor(s): (std): KING WILLIAM V

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
US2712887 A	19550712	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: AUTOMATIC BEVERAGE DISPENSER

Abstract: A beverage dispenser for providing mixed beverages. The beverage dispenser has a housing containing a plurality of first liquids, a plurality of second liquids, and a water supply, wherein the first liquids comprise liquors, and wherein the second liquids comprise mixer syrup. The beverage dispenser also has an interface, a dispensing spout and a server. The interface is provided on the housing to input variable data and receive variable instructions. The server electrically operates valves to control the flow of first liquids, second liquids and water to the beverage dispenser spout based on instructions entered at the interface and a pouring schema stored in memory.

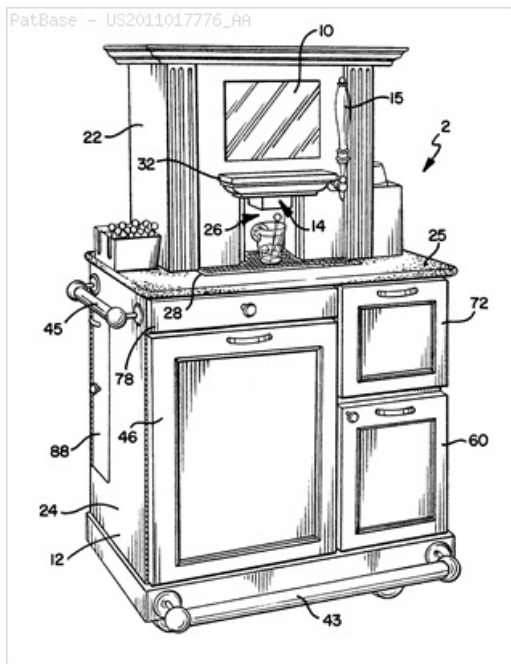
Classifications:

International (IPC 8-9): A47J31/00 A47J31/41 B67D B67D1/00 B67D1/07 B67D1/08 B67D1/12 B67D1/14 B67D3/00 B67D5/56 B67D7/08 B67D7/74 G05D11/13 G06F17/00 G06Q20/20 G06Q30/06 G06Q50/12 G07F13/02 G07F13/06 G07F9/02 (Advanced/Invention); B67D1/00 (Advanced/Non-invention); B67D (Subclass/Invention)

CPC: B67D1/0044 B67D1/0052 B67D1/0875 G06Q20/20 G06Q30/0635 G06Q30/0643 G06Q50/12 B67D1/006 B67D1/0078 B67D1/0085 B67D2001/082 B67D2210/00139 B67D1/0016 B67D3/0012 B67D7/74 B67D1/0036 B67D1/0046 B67D1/005 B67D1/04 B67D1/06 B67D1/0857 B67D1/0892 B67D1/106 B67D1/1243 B67D1/16 B67D2210/00028 B67D2210/00083 B67D2210/00091 B67D2210/00133 B67D2210/00136 B67D1/0888 G07F9/026 G07F13/02 G07F13/065 B67D1/0022 B67D1/0041

European: B67D1/00G B67D1/00H2 B67D1/08J

US: 1/1 222/129.1 222/129.100P 222/129.4 222/132 222/144.5 222/145.5 222/145.6 222/146.6 222/23 222/52 222/608 700/232 700/232S 700/236 700/236P 700/239 700/239S 700/241 705/15

**Family:**

Publication number	Publication date	Application number	Application date
AU2011271058 AA	20111229	AU20110271058	20110621
AU2011271058 BB	20150827	AU20110271058	20110621
AU2011271145 AA	20111229	AU20110271145	20110621
AU2011271145 BB	20150430	AU20110271145	20110621
BR112012032780 A2	20180320	BR20121132780	20110621
CA2803146 AA	20121218	CA20112803146	20110621
CA2803146 C	20170214	CA20112803146	20110621
CA2803148 AA	20121218	CA20112803148	20110621
CA2803148 C	20170214	CA20112803148	20110621
CN102245496 A	20111116	CN201080003573	20100723
CN102245496 B	20150513	CN201080003573	20100723
CN103003190 A	20130327	CN201180030469	20110621
CN103003190 B	20151216	CN201180030469	20110621
CN103003191 A	20130327	CN201180030544	20110621
CN103003191 B	20160525	CN201180030544	20110621
DE602011021248 D1	20151217	DE201160021248T	20110621
DK2582616 T3	20160111	DK20110798752T	20110621
EP2582616 A1	20130424	EP20110798752	20110621
EP2582616 A4	20140611	EP20110798752	20110621
EP2582616 B1	20151104	EP20110798752	20110621
EP2582617 A1	20130424	EP20110798755	20110621
EP2582617 A4	20150225	EP20110798755	20110621
ES2554501 T3	20151221	ES20110798752T	20110621
GB201106014 A0	20110525	GB20110006014	20100723
GB2483129 A1	20120229	GB20110006014	20100723
GB2483129 B2	20150722	GB20110006014	20100723
HK1181738 A1	20131115	HK20130109236	20130807
HK1181739 A1	20131115	HK20130109237	20130807
HK1181739 A1	20160812	HK20130109237	20130807
HK1181739 B	20160812	HK20130109237	20130807
IN00329DN2013 A	20160205	IN2013DN00329	20130110
IN00569DN2013 A	20141017	IN2013DN00569	20130118
JP2013500209 T2	20130107	JP20120521830T	20100723
JP2013530895 T2	20130801	JP20130516689T	20110621
JP2013533175 T2	20130822	JP20130516688T	20110621
JP5863787 B2	20160217	JP20130516688T	20110621
JP5878467 B2	20160308	JP20120521830T	20100723
JP6049018 B2	20161221	JP20130516689T	20110621
MX2012014749 A1	20130628	MX20120014749	20110621
MX2012014750 A1	20131025	MX20120014750	20110621
MX336235 B	20160113	MX20120014750	20110621

SG186263 A1	20130130	SG20120090734	20110621
SG186265 A1	20130130	SG20120090759	20110621
US2011017776 AA	20110127	US20100842405	20100723
US2012152981 AA	20120621	US20110165403	20110621
US2012158173 AA	20120621	US20110165452	20110621
US2014069953 AA	20140313	US20130081667	20131115
US2014209634 AA	20140731	US20140231229	20140331
US2014284349 AA	20140925	US20140299413	20140609
US2014372233 AA	20141218	US20140473573	20140829
US2018029860 AA	20180201	US20170723709	20171003
US8584900 BB	20131119	US20100842405	20100723
US8651333 BB	20140218	US20110165403	20110621
US8746507 BB	20140610	US20110165452	20110621
US9371219 BB	20160621	US20140299413	20140609
US9652756 BB	20170516	US20140473573	20140829
US9776848 BB	20171003	US20130081667	20131115
US10399841 BB	20190903	US20170723709	20171003
WO11011690 A1	20110127	WO2010US43058	20100723
WO11163227 A1	20111229	WO2011US41247	20110621
WO11163233 A1	20111229	WO2011US41254	20110621
WO14176000 A1	20141030	WO2014US32404	20140331

Priority:

US20090271632P	20090723	US20100356744P	20100621	US20100356750P	20100621
US20100842405	20100723	WO2010US43058	20100723	EP20110798752	20110621
US20110165403	20110621	US20110165452	20110621	WO2011US41247	20110621
WO2011US41254	20110621	US20130807154P	20130401	US20130872447P	20130830
US20130081667	20131115	US20140231229	20140331	US20140299413	20140609
US20140473573	20140829	US20170723709	20171003		

Probable Assignee: SMART BAR USA LLC

Assignee(s): (std): SMART BAR USA LLC ; SMARTBAR USA LLC ; SUGRUE JOHN ; METROPULOS WILLIAM ; KNECHT TIM ; HINTERLONG KEVIN ; ALPERT WAYNE ; 4G INNOVATIONS LLC ; SMART BAR INT LLC ; KNECHT FRED

Assignee(s): SMART BAR INT LLC CRYSTAL LAKE

Inventor(s): (std): TIM KNECHT ; WAYNE ALPERT ; WILLIAM METROPULOS ; SUGRUE JOHN ; METROPULOS WILLIAM ; KNECHT TIM ; HINTERLONG KEVIN ; ALPERT WAYNE ; JOHN SUGRUE ; KEVIN HINTERLONG ; KNECHT FRED

Inventor(s): METROPULOS WILLIAM MCHENRY ; SUGRUE JOHN LIBERTYVILLE ; ALPERT WAYNE CRYSTAL LAKE ; HINTERLONG KEVIN HARVARD

Agent(s): CULLENS PATENT AND TRADE MARK ATTORNEYS; SPRUSON AND FERGUSON; CULLENS PTY LTD; RIDOUT AND MAYBEE LLP; HAVERKAMP JENS PROF DIPL GEOL DRRERNAT; WALKER ROSS THOMSON; CARVAJAL Y ISABEL; BENNY KONG AND YEUNG; BENNY KONG AND TSAI; MCDERMOTT WILL AND EMERY LLP ATTN IP DEPARTMENT; MCDERMOTT WILL AND EMERY LLP; BARNES AND THORNBURG LLP; GRYZLO MATTHEW J ET AL; GRYZLO MATTHEW J; GRYZIO MATTHEW J ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR 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 PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
AU2011271058 AA	20111229	LSPB	+	published / reissued	
AU2011271058 AA	20130117	LSAS	PC1	ASSIGNMENT BEFORE GRANT (SECT. 113)	PARTYTYPE : OWNER OWNER : SMART BAR USA LLC OLDPARTY : FORMER APPLICANT(S): 4G INNOVATIONS, LLC
AU2011271058 AA	20141016	LSAS	PC1	ASSIGNMENT BEFORE GRANT (SECT. 113)	PARTYTYPE : OWNER OWNER : SMART BAR INTERNATIONAL LLC OLDPARTY : FORMER APPLICANT(S): SMART BAR USA LLC
AU2011271058 BB	20150827	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2011271058 BB	20151224	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2011271058 BB	20310621	PEXP		Calculated Patent Term Expiry	
AU2011271145 AA	20111229	LSPB	+	published / reissued	
AU2011271145 AA	20130117	LSAS	PC1	ASSIGNMENT BEFORE GRANT (SECT. 113)	PARTYTYPE : OWNER OWNER : SMART BAR USA LLC OLDPARTY : FORMER

					APPLICANT(S): 4G INNOVATIONS, LLC
AU2011271145 AA	20141016	LSAS	PC1	ASSIGNMENT BEFORE GRANT (SECT. 113)	PARTYTYPE : OWNER OWNER : SMART BAR INTERNATIONAL LLC OLDPARTY : FORMER APPLICANT(S): SMART BAR USA LLC
AU2011271145 BB	20150430	LSGT	+	granted / extensions (spc, cpc, pte)	
AU2011271145 BB	20150827	LSGT	+FGA	LETTERS PATENT SEALED OR GRANTED (STANDARD PATENT)	
AU2011271145 BB	20310621	PEXP		Calculated Patent Term Expiry	
BR112012032780 A2	20180605	LSAL	B12F	APPEAL: OTHER APPEALS	
BR112012032780 A2	20190827	LSES	B07A	TECHNICAL EXAMINATION (OPINION): PUBLICATION OF TECHNICAL EXAMINATION (OPINION)	
CA2803146 AA	20121218	LSPB	+	published / reissued	
CA2803146 AA	20160705	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20160617
CA2803146 C	20170214	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2803146 C	20310621	PEXP		Calculated Patent Term Expiry	
CA2803148 AA	20121218	LSPB	+	published / reissued	
CA2803148 AA	20160705	LSES	+EEER	EXAMINATION REQUEST	EFFECTIVE DATE : 20160617
CA2803148 C	20170214	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2803148 C	20310621	PEXP		Calculated Patent Term Expiry	
CN102245496 A	20111116	LSPB	+	published / reissued	
CN102245496 A	20111116	LSPB	+C06	PUBLICATION	
CN102245496 A	20120509	LSAS	ASS	SUCCESSION OR ASSIGNMENT OF PATENT RIGHT	PARTYTYPE : OWNER OWNER : SIMA TEBA'ER AMERICA CO., LTD. OLDPARTY : FORMER OWNER: 4G INNOVATIONS, LLC EFFECTIVE DATE : 20120330
CN102245496 A	20120509	LSAS	C41	TRANSFER OF PATENT APPLICATION OR PATENT RIGHT OR UTILITY MODEL	
CN102245496 A	20120613	LSAS	ASS	SUCCESSION OR ASSIGNMENT OF PATENT RIGHT	PARTYTYPE : OWNER OWNER : SMARTBALL CHINA LTD. OLDPARTY : FORMER OWNER: SIMA TEBA'ER AMERICA CO., LTD. EFFECTIVE DATE : 20120504
CN102245496 A	20120613	LSAS	C41	TRANSFER OF PATENT APPLICATION OR PATENT RIGHT OR UTILITY MODEL	
CN102245496 A	20141203	LSAS	ASS	SUCCESSION OR ASSIGNMENT OF PATENT RIGHT	PARTYTYPE : OWNER OWNER : SMART BAR INTERNATIONAL LLC OLDPARTY : FORMER OWNER: SMARTBALL CHINA LTD. EFFECTIVE DATE : 20141114
CN102245496 A	20141203	LSAS	C41	TRANSFER OF	

				PATENT APPLICATION OR PATENT RIGHT OR UTILITY MODEL	
CN102245496 B	20150513	LSGT	+	granted / extensions (spc, cpc, pte)	
CN102245496 B	20150513	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN102245496 B	20300723	PEXP		Calculated Patent Term Expiry	
CN103003190 A	20130327	LSPB	+	published / reissued	
CN103003190 A	20130327	LSPB	+C06	PUBLICATION	
CN103003190 A	20141126	LSAS	ASS	SUCCESSION OR ASSIGNMENT OF PATENT RIGHT	PARTYTYPE : OWNER OWNER : SMART BAR INTERNATIONAL LLC OLDPARTY : FORMER OWNER: SIMA TEBA'ER AMERICA CO., LTD. EFFECTIVE DATE : 20141030
CN103003190 A	20141126	LSAS	C41	TRANSFER OF PATENT APPLICATION OR PATENT RIGHT OR UTILITY MODEL	
CN103003190 B	20151216	LSGT	+	granted / extensions (spc, cpc, pte)	
CN103003190 B	20151216	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN103003190 B	20310621	PEXP		Calculated Patent Term Expiry	
CN103003191 A	20130327	LSPB	+	published / reissued	
CN103003191 A	20130327	LSPB	+C06	PUBLICATION	
CN103003191 A	20141126	LSAS	ASS	SUCCESSION OR ASSIGNMENT OF PATENT RIGHT	PARTYTYPE : OWNER OWNER : SMART BAR INTERNATIONAL LLC OLDPARTY : FORMER OWNER: SIMA TEBA'ER AMERICA CO., LTD. EFFECTIVE DATE : 20141030
CN103003191 A	20141126	LSAS	C41	TRANSFER OF PATENT APPLICATION OR PATENT RIGHT OR UTILITY MODEL	
CN103003191 B	20160525	LSGT	+	granted / extensions (spc, cpc, pte)	
CN103003191 B	20160525	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN103003191 B	20310621	PEXP		Calculated Patent Term Expiry	
DK2582616 T3	20160111	LSGT	+	granted / extensions (spc, cpc, pte)	
DK2582616 T3	20310621	PEXP		Calculated Patent Term Expiry	
EP2582616 A1	20130424	LSPB	+	published / reissued	
EP2582616 A1	20130424	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20121205
EP2582616 A1	20160729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20160614 YEAR OF FEE PAYMENT : 6
EP2582616 A1	20160729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL	COUNTRY OF REF DOCUMENT : ES

				OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	PAYMENT DATE : 20160613 YEAR OF FEE PAYMENT : 6
EP2582616 A1	20160729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20160613 YEAR OF FEE PAYMENT : 6
EP2582616 A1	20160729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20160615 YEAR OF FEE PAYMENT : 6
EP2582616 A1	20160831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20160628 YEAR OF FEE PAYMENT : 6
EP2582616 A1	20160831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20160613 YEAR OF FEE PAYMENT : 6
EP2582616 A1	20160831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20160613 YEAR OF FEE PAYMENT : 6
EP2582616 A1	20160831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20160630 YEAR OF FEE PAYMENT : 6
EP2582616 A1	20160831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20160628 YEAR OF FEE PAYMENT : 6
EP2582616 A1	20160831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20160610 YEAR OF FEE PAYMENT : 6
EP2582616 A1	20161031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20160621 YEAR OF FEE PAYMENT : 6
EP2582616 A4	20140611	LSSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20140514
EP2582616 A4	20141119	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : SMART BAR INTERNATIONAL LLC
EP2582616 A4	20150610	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20150513
EP2582616 B1	20151104	LSGT	+	granted / extensions (spc, cpc, pte)	
EP2582616 B1	20151104	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D
EP2582616 B1	20151113	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP2582616 B1	20151115	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : REF REF DOCUMENT NUMBER : 759037 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT : T DESIGNATED STATE(S) : EFFECTIVE DATE : 20151115
EP2582616 B1	20151202	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D

EP2582616 B1	20151217	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R096 REF DOCUMENT NUMBER : 602011021248 COUNTRY OF REF DOCUMENT : DE
EP2582616 B1	20151221	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2554501 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) : EFFECTIVE DATE : 20151221
EP2582616 B1	20160310	LSRV	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : LT REF LEGAL EVENT CODE : MG4D
EP2582616 B1	20160429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL 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 : 20160304
EP2582616 B1	20160429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL 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 : 20151104
EP2582616 B1	20160429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160204
EP2582616 B1	20160429	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20151104
EP2582616 B1	20160531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL 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 : 20151104
EP2582616 B1	20160531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL 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 : 20160304
EP2582616 B1	20160531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL 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 : 20151104
EP2582616 B1	20160531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE

				FROM NATIONAL OFFICE TO EPO]	FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20160205
EP2582616 B1	20160531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL 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 : 20151104
EP2582616 B1	20160531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL 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 : 20151104
EP2582616 B1	20160628	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
EP2582616 B1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL 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 : 20151104
EP2582616 B1	20160805	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R097 REF DOCUMENT NUMBER : 602011021248 COUNTRY OF REF DOCUMENT : DE
EP2582616 B1	20160831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SM NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20151104
EP2582616 B1	20160831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL 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 : 20151104
EP2582616 B1	20160831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL 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 : 20151104
EP2582616 B1	20160831	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL 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 : 20151104
EP2582616 B1	20161012	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20160805
EP2582616 B1	20161130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL 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 : 20151104

EP2582616 B1	20170131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC 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 : 20151104
EP2582616 B1	20170322	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : MM4A
EP2582616 B1	20170511	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 7
EP2582616 B1	20170531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160621
EP2582616 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20170613 YEAR OF FEE PAYMENT : 7
EP2582616 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20170613 YEAR OF FEE PAYMENT : 7
EP2582616 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20170511 YEAR OF FEE PAYMENT : 7
EP2582616 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20170621 YEAR OF FEE PAYMENT : 7
EP2582616 B1	20170731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20170612 YEAR OF FEE PAYMENT : 7
EP2582616 B1	20170831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20170424 YEAR OF FEE PAYMENT : 7
EP2582616 B1	20170831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20170525 YEAR OF FEE PAYMENT : 7
EP2582616 B1	20170831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20170614 YEAR OF FEE PAYMENT : 7
EP2582616 B1	20170831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20170613 YEAR OF FEE PAYMENT : 7
EP2582616 B1	20170831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20170619 YEAR OF FEE PAYMENT : 7
EP2582616 B1	20171015	LSPB	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : AT REF LEGAL EVENT CODE : UEP REF DOCUMENT NUMBER : 759037 COUNTRY OF REF DOCUMENT : AT KIND CODE OF REF DOCUMENT :

					T DESIGNATED STATE(S) : EFFECTIVE DATE : 20151104
EP2582616 B1	20171031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20170704 YEAR OF FEE PAYMENT : 7
EP2582616 B1	20180511	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 8
EP2582616 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL 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 : 20151104
EP2582616 B1	20180531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL 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 : 20110621
EP2582616 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20151104
EP2582616 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160621
EP2582616 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL 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 : 20151104
EP2582616 B1	20180629	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MT NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160630
EP2582616 B1	20180731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL 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 : 20151104
EP2582616 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20180612 YEAR OF FEE PAYMENT : 8
EP2582616 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20180605 YEAR OF FEE PAYMENT : 8
EP2582616 B1	20180731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20180613 YEAR OF FEE PAYMENT : 8

EP2582616 B1	20180731	LSFE	+PGFP	OFFICE TO EPO] ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20180614 YEAR OF FEE PAYMENT : 8
	20180831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20180511 YEAR OF FEE PAYMENT : 8
	20180831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20180417 YEAR OF FEE PAYMENT : 8
	20180831	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20180525 YEAR OF FEE PAYMENT : 8
	20180928	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20180612 YEAR OF FEE PAYMENT : 8
EP2582616 B1	20181031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20151104
EP2582616 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20180403 YEAR OF FEE PAYMENT : 8
EP2582616 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20180625 YEAR OF FEE PAYMENT : 8
EP2582616 B1	20181031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20180702 YEAR OF FEE PAYMENT : 8
EP2582616 B1	20190731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20190613 YEAR OF FEE PAYMENT : 9
EP2582616 B1	20190731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20190620 YEAR OF FEE PAYMENT : 9
EP2582616 B1	20190731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20190612 YEAR OF FEE PAYMENT : 9
EP2582616 B1	20190731	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20190612 YEAR OF FEE PAYMENT : 9
EP2582616 B1	20190830	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20190417 YEAR OF FEE PAYMENT : 9
EP2582616 B1	20190830	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 20190611 YEAR OF FEE PAYMENT : 9

EP2582616 B1	20190830	LSFE	+PGFP	FROM NATIONAL OFFICE TO EPO] ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20190510 YEAR OF FEE PAYMENT : 9
EP2582616 B1	20190930	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20190614 YEAR OF FEE PAYMENT : 9
EP2582616 B1	20191031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20190701 YEAR OF FEE PAYMENT : 9
EP2582616 B1	20191031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 20190528 YEAR OF FEE PAYMENT : 9
EP2582616 B1	20191031	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20190619 YEAR OF FEE PAYMENT : 9
EP2582616 B1	20310621	PEXP		Calculated Patent Term Expiry	
EP2582617 A1	20130424	LSPB	+	published / reissued	
EP2582617 A1	20130424	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20121205
EP2582617 A1	20141119	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : SMART BAR INTERNATIONAL LLC
EP2582617 A1	20150225	LSES	+A4	SUPPLEMENTARY SEARCH REPORT DRAWN UP AND DESPATCHED	EFFECTIVE DATE : 20150123
EP2582617 A1	20170614	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20170510
ES2554501 T3	20151221	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2554501 T3	20310621	PEXP		Calculated Patent Term Expiry	
GB2483129 A1	20120229	LSPB	+	published / reissued	
GB2483129 B2	20150722	LSGT	+	granted / extensions (spc, cpc, pte)	
GB2483129 B2	20300723	PEXP		Calculated Patent Term Expiry	
HK1181738 A1	20131115	LSPB	+	published / reissued	
HK1181739 A1	20131115	LSPB	+	published / reissued	
HK1181739 A1	20160812	LSPB	+	published / reissued	
HK1181739 A1	20330807	PEXP		Calculated Patent Term Expiry	
HK1181739 A1	20330807	PEXP		Calculated Patent Term Expiry	
HK1181739 B	20160812	LSGT	+	granted / extensions (spc, cpc, pte)	
HK1181739 B	20330807	PEXP		Calculated Patent Term Expiry	
IN00329DN2013 A	20160205	LSPB	+	published /	

IN00569DN2013 A	20141017	LSPB	+	reissued published / reissued	
JP2013500209 T2	20130107	LSPB	+	published / reissued	
JP2013500209 T2	20130620	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20130611
JP2013500209 T2	20140319	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20140318
JP2013500209 T2	20140819	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20140818
JP2013500209 T2	20140903	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20140818
JP2013500209 T2	20141122	LSAS	A711	NOTIFICATION OF CHANGE IN APPLICANT	TEXT : JAPANESE INTERMEDIATE CODE: A711 EFFECTIVE DATE : 20141121
JP2013500209 T2	20141210	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A821 EFFECTIVE DATE : 20141121
JP2013500209 T2	20150311	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150310
JP2013500209 T2	20150709	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150709
JP2013500209 T2	20151221	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2013500209 T2	20160106	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20160105
JP2013500209 T2	20160204	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20160128
JP2013500209 T2	20160205	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 5878467 COUNTRY OF REF DOCUMENT : JP
JP2013530895 T2	20130801	LSPB	+	published / reissued	
JP2013530895 T2	20140603	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20140602
JP2013530895 T2	20141122	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20141121
JP2013530895 T2	20141122	LSAS	A711	NOTIFICATION OF CHANGE IN APPLICANT	TEXT : JAPANESE INTERMEDIATE CODE: A711 EFFECTIVE DATE : 20141121
JP2013530895 T2	20150513	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150512
JP2013530895 T2	20150810	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150810
JP2013530895 T2	20160113	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20160112
JP2013530895 T2	20160524	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523

JP2013530895 T2	20161021	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2013530895 T2	20161025	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20161025
JP2013530895 T2	20161124	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20161116
JP2013530895 T2	20161202	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 6049018 COUNTRY OF REF DOCUMENT : JP
JP2013533175 T2	20130822	LSPB	+	published / reissued	
JP2013533175 T2	20140603	LSES	+A621	WRITTEN REQUEST FOR APPLICATION EXAMINATION	TEXT : JAPANESE INTERMEDIATE CODE: A621 EFFECTIVE DATE : 20140602
JP2013533175 T2	20141122	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20141121
JP2013533175 T2	20141122	LSAS	A711	NOTIFICATION OF CHANGE IN APPLICANT	TEXT : JAPANESE INTERMEDIATE CODE: A711 EFFECTIVE DATE : 20141121
JP2013533175 T2	20150513	LSES	-A131	NOTIFICATION OF REASONS FOR REFUSAL	TEXT : JAPANESE INTERMEDIATE CODE: A131 EFFECTIVE DATE : 20150512
JP2013533175 T2	20150715	LSRE	A521	WRITTEN AMENDMENT	TEXT : JAPANESE INTERMEDIATE CODE: A523 EFFECTIVE DATE : 20150715
JP2013533175 T2	20151130	LSGT	+TRDD	DECISION OF GRANT OR REJECTION WRITTEN	
JP2013533175 T2	20151209	LSGT	+A01	WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL)	TEXT : JAPANESE INTERMEDIATE CODE: A01 EFFECTIVE DATE : 20151208
JP2013533175 T2	20160104	LSFE	+A61	FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)	TEXT : JAPANESE INTERMEDIATE CODE: A61 EFFECTIVE DATE : 20151222
JP2013533175 T2	20160108	LSGT	+R150	CERTIFICATE OF PATENT OR REGISTRATION OF UTILITY MODEL	TEXT : JAPANESE INTERMEDIATE CODE: R150 REF DOCUMENT NUMBER : 5863787 COUNTRY OF REF DOCUMENT : JP
JP5863787 B2	20160217	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5863787 B2	20151210	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP5863787 B2	20151228	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP5863787 B2	20160108	LSGT	+R150	特許証 (Patent certificate)	
JP5863787 B2	20181227	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP5863787 B2	20190108	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5863787 B2	20191226	LSFE	R20	特許料納付書 (Patent fee)	EFFECTIVE DATE : 20191224

				payment form)	
JP5863787 B2	20200107	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5863787 B2	20310621	PEXP		Calculated Patent Term Expiry	
JP5878467 B2	20160308	LSGT	+	granted / extensions (spc, cpc, pte)	
JP5878467 B2	20160107	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP5878467 B2	20160202	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP5878467 B2	20160205	LSGT	+R150	特許証 (Patent certificate)	
JP5878467 B2	20190131	LSFE	R20	特許料納付書 (Patent fee payment form)	
JP5878467 B2	20190205	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5878467 B2	20200130	LSFE	R20	特許料納付書 (Patent fee payment form)	EFFECTIVE DATE : 20200129
JP5878467 B2	20200131	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP5878467 B2	20300723	PEXP		Calculated Patent Term Expiry	
JP6049018 B2	20161221	LSGT	+	granted / extensions (spc, cpc, pte)	
JP6049018 B2	20161027	LSGT	+A01	特許査定書 (Decision of patent grant)	
JP6049018 B2	20161122	LSFE	R100	特許料納付書 (Patent fee payment form)	
JP6049018 B2	20161202	LSGT	+R150	特許証 (Patent certificate)	
JP6049018 B2	20191128	LSFE	R20	特許料納付書 (Patent fee payment form)	EFFECTIVE DATE : 20191127
JP6049018 B2	20191203	LSFE	+R250	RECEIPT OF ANNUAL FEES	TEXT : JAPANESE INTERMEDIATE CODE: R250
JP6049018 B2	20310621	PEXP		Calculated Patent Term Expiry	
MX2012014749 A1	20130628	LSPB	+	published / reissued	
MX2012014749 A1	20150116	LSAS	GB	TRANSFER OR ASSIGNMENT	
MX2012014749 A1	20150116	LSAS	GB	TRANSFER OR ASSIGNMENT	PARTYTYPE : OWNER OWNER : SMART BAR INTERNATIONAL LLC
MX2012014749 A1	20150825	LSGT	+FG	GRANT OR REGISTRATION	
MX2012014750 A1	20131025	LSPB	+	published / reissued	
MX2012014750 A1	20150116	LSAS	GB	TRANSFER OR ASSIGNMENT	
MX2012014750 A1	20150116	LSAS	GB	TRANSFER OR ASSIGNMENT	PARTYTYPE : OWNER OWNER : SMART BAR INTERNATIONAL LLC
MX336235 B	20160113	LSGT	+	granted / extensions (spc, cpc, pte)	
MX336235 B	20310621	PEXP		Calculated Patent Term Expiry	
SG186263 A1	20130130	LSPB	+	published / reissued	
SG186265 A1	20130130	LSPB	+	published /	

US10399841 BB	20190903	LSGT	+	reissued granted / extensions (spc, cpc, pte)	
US10399841 BB	20171003	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : ENTITY STATUS SET TO UNDISCOUNTED (ORIGINAL EVENT CODE: BIG.); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US10399841 BB	20171016	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SMART BAR USA, LLC, NEVADA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:METROPULOS, WILLIAM; KNECHT, TIM; SUGRUE, JOHN; AND OTHERS; SIGNING DATES FROM 20100819 TO 20100929; REEL/FRA:043873/0360
US10399841 BB	20171017	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SMART BAR USA LLC, NEVADA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:METROPULOS, WILLIAM; KNECHT, TIM; SUGRUE, JOHN; AND OTHERS; SIGNING DATES FROM 20100819 TO 20100929; REEL/FRA:043884/0889
US10399841 BB	20171017	LSFE	FEPP	FEE PAYMENT PROCEDURE	TEXT : ENTITY STATUS SET TO SMALL (ORIGINAL EVENT CODE: SMAL); ENTITY STATUS OF PATENT OWNER: SMALL ENTITY
US10399841 BB	20371003	PEXP		Calculated Patent Term Expiry (a terminal disclaimer has been filed)	
US2011017776 AA	20110127	LSPB	+	published / reissued	
US2011017776 AA	20120305	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SMART BAR USA LLC, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:4G INNOVATIONS, LLC; REEL/FRA:027804/0442 EFFECTIVE DATE : 20120229
US2011017776 AA	20131030	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2012152981 AA	20120621	LSPB	+	published / reissued	
US2012152981 AA	20140129	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2012158173 AA	20120621	LSPB	+	published / reissued	
US2012158173 AA	20140521	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2014069953 AA	20140313	LSPB	+	published / reissued	
US2014069953 AA	20170601	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2014069953 AA	20170901	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2014069953 AA	20170913	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2014209634 AA	20140731	LSPB	+	published / reissued	
US2014209634 AA	20140520	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SMART BAR INTERNATIONAL LLC, ILLINOIS OLDPARTY : ASSIGNMENT OF

					ASSIGNORS INTEREST; ASSIGNORS:METROPULOS, WILLIAM; KNECHT, TIM; KNECHT, FRED; SIGNING DATES FROM 20140429 TO 20140430; REEL/FRAME:032946/0332
US2014209634 AA	20150423	LSES	NFA1	Non Final Action Mailed	
US2014209634 AA	20151030	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2014284349 AA	20140925	LSPB	+	published / reissued	
US2014284349 AA	20160601	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2014372233 AA	20141218	LSPB	+	published / reissued	
US2014372233 AA	20170426	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US2018029860 AA	20180201	LSPB	+	published / reissued	
US2018029860 AA	20180906	LSES	NFA1	Non Final Action Mailed	
US2018029860 AA	20190416	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2018029860 AA	20190530	LSFE	-AWA4	Awaiting TC Resp., Issue Fee Not Paid	
US2018029860 AA	20190605	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2018029860 AA	20190724	LSFE	+PPV1	Publications -- Issue Fee Payment Verified	
US2018029860 AA	20190814	LSGT	PAT1	Patented Case	
US2018029860 AA	20190814	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US8584900 BB	20131119	LSGT	+	granted / extensions (spc, cpc, pte)	
US8584900 BB	20101130	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : 4G INNOVATIONS, LLC, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:METROPULOS, WILLIAM; KNECHT, TIM; SUGRUE, JOHN; AND OTHERS; SIGNING DATES FROM 20100819 TO 20100929; REEL/FRAME:025402/0325
US8584900 BB	20131030	LSGT	PAT1	Patented Case	
US8584900 BB	20170504	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8584900 BB	20191220	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SMART BAR USA, LLC, NEVADA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:SMART BAR USA, LLC; REEL/FRAME:051343/0595 EFFECTIVE DATE : 20191219
US8584900 BB	20310222	PEXP		Calculated Patent Term Expiry (PTA 214 days)	
US8651333 BB	20140218	LSGT	+	granted / extensions (spc, cpc, pte)	
US8651333 BB	20120302	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : 4G INNOVATIONS, LLC, ILLINOIS

					OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:METROPULOS, WILLIAM; ALPERT, WAYNE; KNECHT, TIM; SIGNING DATES FROM 20111230 TO 20120229; REEL/FRAME:027801/0970
US8651333 BB	20120305	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SMART BAR USA LLC, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:4G INNOVATIONS, LLC; REEL/FRAME:027804/0442 EFFECTIVE DATE : 20120229
US8651333 BB	20140129	LSGT	PAT1	Patented Case	
US8651333 BB	20170803	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8651333 BB	20191220	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SMART BAR USA, LLC, NEVADA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:SMART BAR USA, LLC; REEL/FRAME:051347/0855 EFFECTIVE DATE : 20191219
US8651333 BB	20310621	PEXP		Calculated Patent Term Expiry	
US8746507 BB	20140610	LSGT	+	granted / extensions (spc, cpc, pte)	
US8746507 BB	20111222	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : 4G INNOVATIONS, LLC, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:METROPULOS, WILLIAM; KNECHT, TIM; REEL/FRAME:027436/0295 EFFECTIVE DATE : 20110726
US8746507 BB	20120305	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SMART BAR USA LLC, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:4G INNOVATIONS, LLC; REEL/FRAME:027804/0442 EFFECTIVE DATE : 20120229
US8746507 BB	20140521	LSGT	PAT1	Patented Case	
US8746507 BB	20171123	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US8746507 BB	20310624	PEXP		Calculated Patent Term Expiry (PTA 3 days)	
US9371219 BB	20160621	LSGT	+	granted / extensions (spc, cpc, pte)	
US9371219 BB	20150709	LSES	NFA1	Non Final Action Mailed	
US9371219 BB	20160601	LSGT	PAT1	Patented Case	
US9371219 BB	20191205	LSFE	+MAFP	MAINTENANCE FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US9371219 BB	20340609	PEXP		Calculated Patent Term Expiry	
US9652756 BB	20170516	LSGT	+	granted / extensions (spc, cpc, pte)	
US9652756 BB	20141001	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SMART BAR USA, LLC, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:KNECHT, FRED; METROPULOS, WILLIAM; REEL/FRAME:033861/0782 EFFECTIVE DATE : 20140912
US9652756 BB	20150910	LSES	NFA1	Non Final Action Mailed	
US9652756 BB	20170426	LSGT	PAT1	Patented Case	

US9652756 BB	20340829	PEXP		Calculated Patent Term Expiry	
US9776848 BB	20171003	LSGT	+	granted / extensions (spc, cpc, pte)	
US9776848 BB	20131126	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : SMART BAR USA LLC, ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:4G INNOVATIONS, LLC; REEL/FRAME:031676/0213 EFFECTIVE DATE : 20120229
US9776848 BB	20170913	LSGT	PAT1	Patented Case	
US9776848 BB	20331115	PEXP		Calculated Patent Term Expiry	
WO11011690 A1	20110127	LSPB	+	published / reissued	
WO11011690 A1	20100723	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 201080003573.X COUNTRY OF REF DOCUMENT : CN
WO11011690 A1	20110408	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	TEXT : PCT FILING DATE = 20100723 REF DOCUMENT NUMBER : 1106014 COUNTRY OF REF DOCUMENT : GB KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO11011690 A1	20110408	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1106014.2 COUNTRY OF REF DOCUMENT : GB
WO11011690 A1	20110711	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2012521830 COUNTRY OF REF DOCUMENT : JP
WO11011690 A1	20120123	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO11011690 A1	20120815	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 10802954 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :
WO11163227 A1	20111229	LSPB	+	published / reissued	
WO11163227 A1	20121205	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2011798752 COUNTRY OF REF DOCUMENT : EP
WO11163227 A1	20121214	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : MX/A/2012/014749 COUNTRY OF REF DOCUMENT : MX
WO11163227 A1	20121218	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2803146 COUNTRY OF REF DOCUMENT : CA
WO11163227 A1	20121219	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013516688 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO11163227 A1	20121221	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO11163227 A1	20130110	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2011271145 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT :

					20110621 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO11163227 A1	20171128	LSNP	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : BR REF LEGAL EVENT CODE : B01E REF DOCUMENT NUMBER : 112012032780 COUNTRY OF REF DOCUMENT : BR
WO11163227 A1	20180320	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 112012032780 COUNTRY OF REF DOCUMENT : BR KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) : EFFECTIVE DATE : 20121220
WO11163233 A1	20111229	LSPB	+	published / reissued	
WO11163233 A1	20110621	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 201180030469.4 COUNTRY OF REF DOCUMENT : CN
WO11163233 A1	20121205	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2011798755 COUNTRY OF REF DOCUMENT : EP
WO11163233 A1	20121214	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : MX/A/2012/014750 COUNTRY OF REF DOCUMENT : MX
WO11163233 A1	20121218	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2803148 COUNTRY OF REF DOCUMENT : CA
WO11163233 A1	20121219	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2013516689 COUNTRY OF REF DOCUMENT : JP KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO11163233 A1	20121221	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO11163233 A1	20130110	LSNP	ENP	ENTRY INTO THE NATIONAL PHASE IN:	REF DOCUMENT NUMBER : 2011271058 COUNTRY OF REF DOCUMENT : AU DATE OF REF DOCUMENT : 20110621 KIND CODE OF REF DOCUMENT : A DESIGNATED STATE(S) :
WO14176000 A1	20141030	LSPB	+	published / reissued	
WO14176000 A1	20151001	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO14176000 A1	20160427	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 14787453 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

Title: BEVERAGE DISPENSER, IN PARTICULAR BUT NOT EXCLUSIVELY FOR WINES

Abstract: An equipment for automatic delivery of beverages, with extraction of liquid from at least one bottle (B) in an up-right position by injection of an inert gas, the apparatus comprising a frame (1) suitable for resting on a counter or similar elevated work surface, support means of at least one bottle placed outside of the frame, gas supply means (8) for supplying an inert gas into the bottle, beverage delivery means (32 -62) for delivering the liquid from the bottle (B), and programmable control means for controlling at least the inert gas supply means, characterized in that it further comprises compressed air supply means (9), adapted to feed air towards the beverage delivery means (32 -62) to clean them after each delivery.

Classifications:

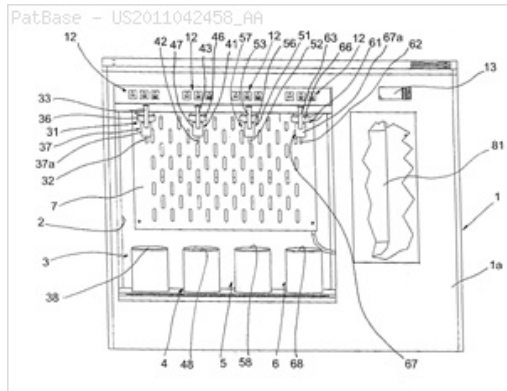
International (IPC 8-9): B65D83/00 B67D1/04 B67D1/07 B67D7/08 B67D7/78 G06Q20/00 (Advanced/Invention);

B67D1/00 (Core/Invention)

CPC: B67D1/04 B67D1/07

European: B67D1/04 B67D1/07

US: 222/145.1 222/145.100S 222/399 222/399S 222/54 222/54S 235/381 235/381P



Family:

Publication number	Publication date	Application number	Application date
CA2720784 AA	20091015	CA20092720784	20090323
EP2274231 A1	20110119	EP20090729845	20090323
ITFI20080073 A1	20091011	IT2008FI00073	20080410
US2011042458 AA	20110224	US20090936628	20090323
WO09125310 A1	20091015	WO2009IB51202	20090323

Priority:

IT2008FI00073 20080410 WO2009IB51202 20090323

Probable Assignee: EGRAF LINEADUE S R L

Assignee(s): (std): DIWINE S R L ; FALCI RICCARDO ; LA TORRE PAOLO GIOVANNI ; EGRAF LINEADUE S R L

Assignee(s): DIWINE SRL

Inventor(s): (std): LA TORRE PAOLO GIOVANNI ; FALCI RICCARDO

Agent(s): SOLDATINI ANDREA; LUCAS AND MERCANTI LLP; SOLDATINI ANDREA ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST 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
CA2720784 AA	20091015	LSPB	+	published / reissued	
CA2720784 AA	20140520	LSLE	-FZDE	DEAD	EFFECTIVE DATE : 20140325
EP2274231 A1	20110119	LSPB	+	published / reissued	
EP2274231 A1	20110119	LSSE	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20101013
EP2274231 A1	20140305	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20131001
ITFI20080073 A1	20091011	LSPB	+	published / reissued	
US2011042458 AA	20110224	LSPB	+	published / reissued	
US2011042458 AA	20121105	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
WO09125310 A1	20091015	LSPB	+	published / reissued	
WO09125310 A1	20101006	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2720784 COUNTRY OF REF DOCUMENT : CA
WO09125310 A1	20101006	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 12936628 COUNTRY OF REF

					DOCUMENT : US
WO09125310 A1	20101012	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO09125310 A1	20101013	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2009729845 COUNTRY OF REF DOCUMENT : EP

Title: INGREDIENT SUPPLY SYSTEM FOR BEVERAGE DISPENSING APPARATUS

Abstract: (Claim 1) 1. In a beverage dispensing apparatus, a water supply system of the character described, comprising, a pump having an inlet and an outlet, the inlet being adapted for connection to a source of water under pressure; means bypassing the pump for conducting water from the inlet to the outlet whenever the pressure of the outlet is below that of the inlet; means connected to said outlet for dispensing water; means responsive to the outlet pressure of the water for operating said pump to cause the outlet pressure to be a first predetermined pressure when the inlet pressure is insufficient to maintain the outlet pressure at said preselected predetermined pressure; and means responsive to a preselected low volume condition of the water in said means for dispensing water to operate said pump to cause the outlet pressure to be a second predetermined pressure higher than said first predetermined pressure.

Classifications:

International (IPC 8-9): B67D1/00 (Advanced/Invention);
B67D1/00 (Core/Invention)

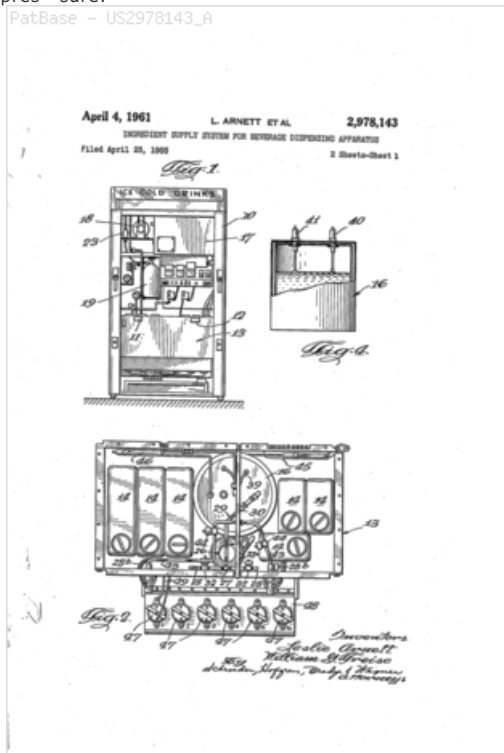
International (IPC 1-7): B67D5/02

CPC: B67D1/0009 B67D1/0074 B67D2210/00152

European: B67D1/00E4 B67D1/00H4H8 L67D210/00F2B

US: 222/129.1 222/2 222/318 222/63 222/64 417/17 62/399

PatBase - US2978143_A

**Family:**

Publication number	Publication date	Application number	Application date
US2978143 A	19610404	US19550503391	19550425

Priority:

US19550503391 19550425

Probable Assignee: SQUARE MFG CO
Assignee(s): (std): SQUARE MFG CO ; SQUARE MFG COMPANY
Assignee(s): SQUARE MANUFACTURING COMPANY
Inventor(s): (std): FREISE WILLIAM G ; LESLIE ARNETT
Inventor(s): ARNETT LESLIE

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
US2978143 A	19610404	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: Method and apparatus for dispensing beverage with automatic shut-off in response to a probe sensed beverage level

Abstract: An **automatic beverage dispensing** system includes a probe assembly for automatically shutting off dispensing when dispensed beverage reaches a predetermined level. Upon initial shut-off, a waiting period occurs during which the foam portion at top of the beverage is allowed to settle. At the end of the wait period, an additional top-off period is initiated during which beverage is again dispensed to top-off the beverage to the desired level.

Classifications:

International (IPC 8-9): A47J31/40 B67D1/12

G05D9/12 (Advanced/Invention);

A47J31/40 B67D1/00 G05D9/00 (Core/Invention)

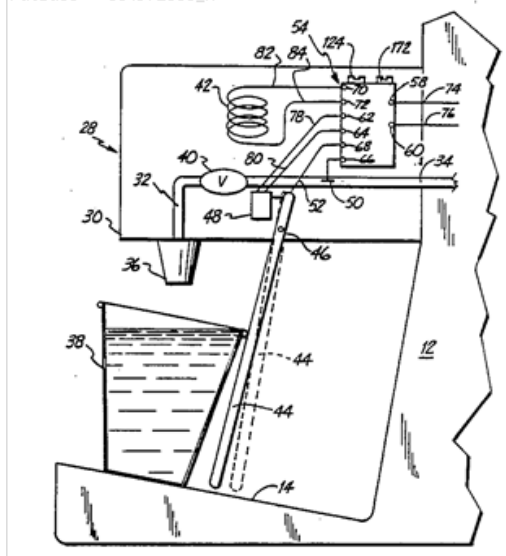
International (IPC 1-7): B65B3/04 B65B3/26 G05D9/12

CPC: A47J31/402 B67D1/1238 B67D1/124

European: A47J31/40D B67D1/12B2 B67D1/12B3 B67D1/12B6D B67D1/12B6F

US: 141/1 141/198 141/362 141/369 141/86 141/95

PatBase - US4972883_A



Family:

Publication number	Publication date	Application number	Application date
CA1338113 A1	19960305	CA19890604045	19890627
US4972883 A	19901127	US19900528917	19900523

Priority:

US19880212415 19880627 CA19890604045 19890627 US19900528917 19900523

Probable Assignee: CORNELIUS CO

Assignee(s): (std): CORNELIUS CO

Assignee(s): CORNELIUS CO THE ; HASSELL DAVID A ; SENGHAAS KARL A ; THE CORNELIUS COMPANY

Inventor(s): (std): HASSELL DAVID A ; SENGHAAS KARL A

Agent(s): RIDOUT AND MAYBEE LLP

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
CA1338113 A1	19960305	LSGT	+	granted / extensions (spc, cpc, pte)	
CA1338113 A1	20130305	PEXP		Calculated Patent Term Expiry	
US4972883 A	19901127	LSGT	+	granted / extensions (spc, cpc, pte)	
US4972883 A	19900926	LSGT	PAT1	Patented Case	
US4972883 A	19900926	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US4972883 A	19920512	LSRE	CC	CERTIFICATE OF CORRECTION	
US4972883 A	19940222	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US4972883 A	19980330	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US4972883 A	20021126	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US4972883 A	20100523	PEXP		Calculated Patent Term Expiry	

Title: APPARATUS FOR DISPENSING BEVERAGES BY THE GLASS PROVIDED WITH SPACE-SAVING CONTAINER

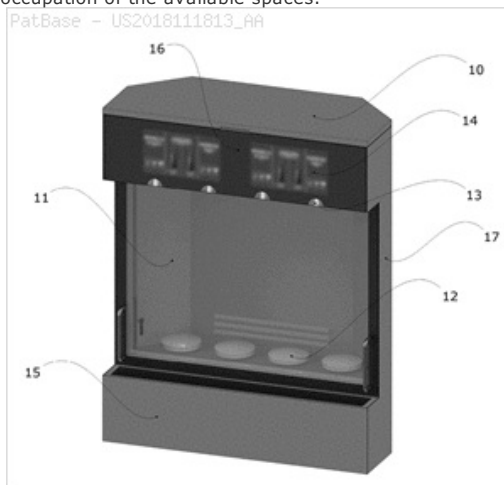
Abstract: An apparatus for the automatic dispensing of beverages by the glass is provided with space-saving container adapted to be installed and implemented so as to allow an optimized occupation of the available spaces.

Classifications:

International (IPC 8-9): B67D B67D1/00 B67D1/04 B67D1/08 B67D3/04 (Advanced/Invention)

CPC: B67D1/0888 B67D1/0801 B67D1/0884 B67D3/04 B67D2001/0812 B67D1/04 B67D1/0412 B67D1/0842 B67D2210/00031 B67D2210/00034 B67D1/0004 B67D1/0891 B67D2001/0095 B67D1/0804

US: 1/1 222/27



Family:

Publication number	Publication date	Application number	Application date
■ CN107973262 A	20180501	CN201710993338	20171023
■ EP3315459 A1	20180502	EP20170198227	20171025
■ EP3315459 B1	20200513	EP20170198227	20171025
■ HK1253550 A1	20190621	HK20180112753	20181008
■ IT201600107213 A1	20180425	IT201610000107213	20161025
■ KR20180045828 A	20180504	KR20170138483	20171024
■ US2018111813 AA	20180426	US20170792844	20171025

Priority:

IT201610000107213 20161025 KR20170138483 20171024

Probable Assignee: ENOMATIC S R L

Assignee(s): (std): ENOMATIC S R L

Assignee(s): ENOMATIC SRL

Inventor(s): (std): BENCISTA FALORNI GIANNI

Inventor(s): BENCISTA 8242 FALORNI GIANNI

Agent(s): SAVI MASSIMILIANO; HNC INNOVATION LTD

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

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
CN107973262 A	20180501	LSPB	+	published / reissued	
CN107973262 A	20180501	LSPB	PB01	PUBLICATION	
EP3315459 A1	20180502	LSPB	+	published / reissued	
EP3315459 A1	20181205	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20181024
EP3315459 A1	20190320	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 20190219
EP3315459 A1	20200122	LSGT	+INTG	INTENTION TO GRANT ANNOUNCED	EFFECTIVE DATE : 20200109
EP3315459 A1	20200506	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : ENOMATIC S.R.L.
EP3315459 B1	20200513	LSGT	+	granted / extensions (spc, cpc, pte)	
EP3315459 B1	20371025	PEXP		Calculated Patent Term Expiry	

HK1253550 A1	20190621	LSPB	+	published / reissued	
IT201600107213 A1	20180425	LSPB	+	published / reissued	
KR20180045828 A	20180504	LSPB	+	published / reissued	
US2018111813 AA	20180426	LSPB	+	published / reissued	
US2018111813 AA	20180314	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : ENOMATIC S.R.L., ITALY OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:BENCISTA'FALORNI, GIANNI; REEL/FRAME:045195/0836 EFFECTIVE DATE : 20171127
US2018111813 AA	20181218	LSES	NFA1	Non Final Action Mailed	
US2018111813 AA	20191203	LSES	ADV1	Advisory Action Mailed	
US2018111813 AA	20200113	LSES	NFA1	Non Final Action Mailed	

Title: SYSTEM AND METHOD FOR GENERATING A RESTAURANT ORDER ON A WIRELESS MOBILE PERSONAL COMPUTER

Abstract: A wireless mobile personal computer is provided for enabling a customer to generate a restaurant order on the wireless mobile personal computer. The wireless mobile personal computer includes a restaurant order generating application configured to generate restaurant item selecting interface screens for generating the restaurant order comprising at least one restaurant item, to generate a **machine**-readable representation of the generated restaurant order, a processor for executing the restaurant order generating application, a memory for storing the restaurant order generating application and selectable restaurant items, and a display for displaying the restaurant item selecting interface screens, and the at least one restaurant item.

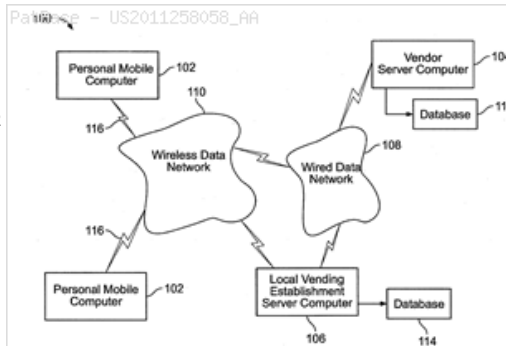
Classifications:

International (IPC 8-9): A47J31/46 B67D1/08 B67D1/10 G06Q20/20 G06Q20/32 G06Q30/00 G06Q30/06 G06Q50/00 G06Q50/12 H04W4/02 (Advanced/Invention)

CPC: G06Q30/06 G06Q20/20 G06Q20/3278 G06Q30/0609 G06Q30/0633 G06Q30/0635 G06Q30/0641 G06Q50/12 B67D1/0858 B67D1/0888 B67D1/10 G06Q20/204 G06Q20/322 A47J31/46

European: G06Q30/06 G06Q50/12

US: 1/1 222/129.1 705/15 705/15P 705/26.8



Family:

Publication number	Publication date	Application number	Application date
US2011258058 AA	20111020	US20100760534	20100414
US2014136348 AA	20140515	US20130078405	20131112
US2014136366 AA	20140515	US20130078396	20131112
US2016063585 AA	20160303	US20150937112	20151110
US2016244311 AA	20160825	US20160095133	20160410
US10373223 BB	20190806	US20150937112	20151110
US10640357 BB	20200505	US20160095133	20160410
WO11130568 A2	20111020	WO2011US32574	20110414
WO11130568 A3	20120405	WO2011US32574	20110414
WO14075092 A1	20140515	WO2013US69734	20131112
WO17180518 A1	20171019	WO2017US26820	20170410

Priority:

US20100760534	20100414	US20120725379P	20121112	US20130078405	20131112
US20130078396	20131112	US20150937112	20151110	US20160095133	20160410

Probable Assignee: RESTAURANT TECHNOLOGY INC

Assignee(s): (std): WETTERSTEN JON VERNON ; ROBERTS MELODY ; PRICE PAUL ; POLLARD JEFF ; PRICE CARLEY RACHEL ; LUNA ELEANOR ELIZABETH ; KO HYUN JIN ; JONSSON STINA MARIA ; JONES MARK ALEXANDER ; FOX KATHY ; FERBER AARON RANDALL ; CARROLL ROGER D ; RESTAURANT TECH INC ; RESTAURANT TECHNOLOGY

Assignee(s): RESTAURANT TECHNOLOGY INC

Inventor(s): (std): CARROLL ROGER D ; FERBER AARON RANDALL ; FOX KATHY ; JONES MARK ALEXANDER ; JONSSON STINA MARIA ; KO HYUN JIN ; LUNA ELEANOR ELIZABETH ; POLLARD JEFF ; PRICE CARLEY RACHEL ; PRICE PAUL ; ROBERTS MELODY ; WETTERSTEN JON VERNON ; WILSON KIM ; STERES JEFFREY ; MUHS NATALIE ; FRIGO ANGELO ; ERMER LAURA ; CROUSE KYLE ; BURKS MICHAEL ; BHAUMIK VIJAN ; BEEBE MICHAEL

Agent(s): MURAFF JAMES P; NEAL GERBER AND EISENBERG LLP; MURAFF JAMES P ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ 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 IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
US10373223 BB	20190806	LSGT	+	granted / extensions (spc, cpc, pte)	
US10373223 BB	20351110	PEXP		Calculated Patent Term Expiry	
US10640357 BB	20200505	LSGT	+	granted / extensions (spc, cpc, pte)	
US10640357 BB	20360504	PEXP		Calculated Patent Term Expiry (PTA 24 days)	
US2011258058 AA	20111020	LSPB	+	published /	

reissued					
US2011258058 AA	20160201	LSES	NFA1	Non Final Action Mailed	
US2011258058 AA	20160311	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : RESTAURANT TECHNOLOGY, INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:CARROLL, ROGER D.; FERBER, AARON RANDALL; FOX, KATHY; AND OTHERS; SIGNING DATES FROM 20100614 TO 20100818; REEL/FRAME:037956/0854
US2011258058 AA	20170818	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2011258058 AA	20171207	LSWD	-ABD2	Abandoned -- Failure to Pay Issue Fee	
US2014136348 AA	20140515	LSPB	+	published / reissued	
US2014136348 AA	20150120	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : RESTAURANT TECHNOLOGY INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:CARROLL, ROGER D; MUHS, NATALIE; POLLARD, JEFF; AND OTHERS; SIGNING DATES FROM 20140331 TO 20140408; REEL/FRAME:034764/0757
US2014136348 AA	20160321	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2014136366 AA	20140515	LSPB	+	published / reissued	
US2014136366 AA	20160222	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2016063585 AA	20160303	LSPB	+	published / reissued	
US2016063585 AA	20170922	LSES	ADV1	Advisory Action Mailed	
US2016063585 AA	20180319	LSES	-NFA2	Non Final Action Counted, Not Yet Mailed	
US2016063585 AA	20180328	LSES	NFA1	Non Final Action Mailed	
US2016063585 AA	20190212	LSES	ADV1	Advisory Action Mailed	
US2016063585 AA	20190327	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2016063585 AA	20190517	LSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2016063585 AA	20190613	LSFE	+PPV1	Publications - - Issue Fee Payment Verified	
US2016063585 AA	20190717	LSGT	PAT1	Patented Case	
US2016063585 AA	20190717	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE

US2016244311 AA	20160825	LSPB	+	published / reissued	
US2016244311 AA	20170403	LSSES	NFA1	Non Final Action Mailed	
US2016244311 AA	20170516	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : RESTAURANT TECHNOLOGY INC., ILLINOIS OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS: BURKS, MICHAEL; BEEBE, MICHAEL; ERMER, LAURA; AND OTHERS; SIGNING DATES FROM 20160523 TO 20160609; REEL/FRAME: 042397/0686
US2016244311 AA	20180312	LSSES	ADV1	Advisory Action Mailed	
US2016244311 AA	20181228	LSSES	NFA1	Non Final Action Mailed	
US2016244311 AA	20190926	LSSES	ADV1	Advisory Action Mailed	
US2016244311 AA	20191230	LSSES	+NAM1	Notice of Allowance Mailed -- Application Received in Office of Publications	
US2016244311 AA	20200225	LSFE	-AWA4	Awaiting TC Resp., Issue Fee Not Paid	
US2016244311 AA	20200415	LSGT	PAT1	Patented Case	
US2016244311 AA	20200415	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
WO11130568 A2	20111020	LSPB	+	published / reissued	
WO11130568 A3	20121015	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO11130568 A3	20130508	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 11769621 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A2 DESIGNATED STATE(S) :
WO14075092 A1	20140515	LSPB	+	published / reissued	
WO14075092 A1	20150512	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO14075092 A1	20160713	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 13852974 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :
WO17180518 A1	20171019	LSPB	+	published / reissued	
WO17180518 A1	20181011	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO17180518 A1	20190828	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 17782921 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

Title: Refrigeration system for a beverage dispenser

Abstract: In a post-mix beverage dispenser a heat conducting plate assembly couples the bottom wall of a carbonator tank to the side walls of beverage concentrate storage tanks for the bi-directional transfer of heat therebetween. The cold temperature of the carbonator tank including an ice bank therein chills the concentrate to help achieve a suitable serving temperature of a finished drink. The higher temperature of the concentrate helps warm the bottom area of the carbonator tank in the region of an outlet opening to preclude freezing of carbonated water in the outlet opening.

Classifications:

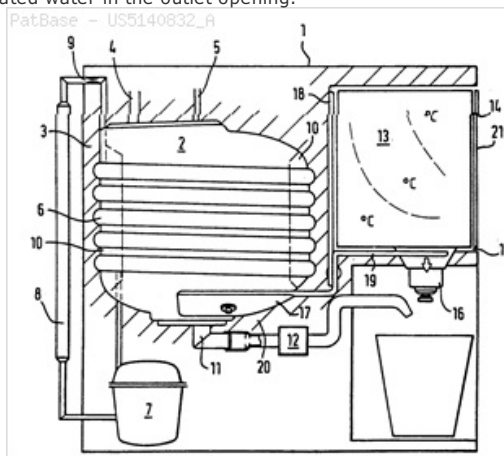
International (IPC 8-9): B67D1/00 B67D1/08 (Advanced/Invention);
B67D1/00 (Advanced/Non-invention);
B67D1/00 (Core/Invention)

International (IPC 1-7): A47J31/41 B67D1/00 B67D1/08 B67D5/62
F25D13/02 G07F11/00 G07F9/10

CPC: B67D1/0861

European: B67D1/08D2C

US: 62/389 62/390 62/393



Family:

Publication number	Publication date	Application number	Application date
AT102169 E	19940315	AT19900122601T	19901127
AU199067603 A1	19910613	AU19900067603	19901129
AU635797 B2	19930401	AU19900067603	19901129
CA2032007 AA	19910612	CA19902032007	19901211
CA2032007 C	19950124	CA19902032007	19901211
DE3940878 A1	19910613	DE19893940878	19891211
DE3940878 C2	19931014	DE19893940878	19891211
DE59004776 D1	19940407	DE19905004776	19901127
DK0432564 T3	19940613	DK19900122601T	19901127
EP0432564 A1	19910619	EP19900122601	19901127
EP0432564 B1	19940302	EP19900122601	19901127
ES2049897 T3	19940501	ES19900122601T	19901127
JP4006085 A2	19920110	JP19900336891	19901130
KR19910013015 A	19910808	KR19900020317	19901211
US5140832 A	19920825	US19900625058	19901210
ZA9009622 A	19910925	ZA19900009622	19901130

Priority:

DE19893940878 19891211 DE19905004776 19901127 EP19900122601 19901127
US19900625058 19901210 CA19902032007 19901211

Probable Assignee: BOSCH SIEMENS HAUSGERAETE GMBH

Assignee(s): (std): BOSCH SIEMENS HAUSGERAETE ; COCA COLA CO ; COCA COLA COMPANY ATLANTA

Assignee(s): THE COCA COLA CO ATLANTA GA US ; DEININGER ANTON ; ERDMANN KLAUS ; THE COCA COLA COMPANY ; THE COCA COLA COMPANY ATLANTA GA ; THE COCA COLA COMPANY ATLANTA GA US ; THE COCA COLA CO ; COCA COLA COMPANY THE ; COCA COLA CO ATLANTA ; COCA COLA CO THE ; BOSCH SIEMENS HAUSGERAETE GMBH ; BOSCH SIEMENS HAUSGERAETE GMBH 8000 MUENCHEN DE ; BOSCH SIEMENS HAUSGERAETE GMBH 81669 MUENCHEN DE ; BOSCH SIEMENS HAUSGERATE GMBH

Inventor(s): (std): DEININGER ANTON ; ERDMANN KLAUS ; DEININGER ANTON DIPL ING ; ERDMANN KLAUS DIPL ING ; DEININGER ANTON DIPL ING FH ; ERDMANN KLAUS DIPL ING FH ; KURAUSU ERUTOMAN ; ANTON DAININGAA ; ANTON DEININGER ; KLAUS ERDMANN

Inventor(s): ERDMANN KLAUS DIPL ING FH W 7920 MERGELSTETTEN DE ; DEININGER ANTON DIPL ING FH W 8887 BACHHAGEL DE ; DEININGER ANTON DIPL ING FH 8887 BACHHAGEL DE ; ERDMANN KLAUS DIPL ING FH 7920 MERGELSTETTEN DE

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; SIM AND MCBURNEY

Designated states: AT BE CH DE DK ES FR GB GR IT LI LU NL SE

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
AT102169 E	19940315	LSGT	+	granted / extensions (spc, cpc, pte)	
AT102169 E	19960815	LSLE	-REN	CEASED DUE TO NON-PAYMENT OF THE ANNUAL FEE	
AT102169 E	20101127	PEXP		Calculated Patent Term Expiry	
AU199067603 A1	19910613	LSPB	+	published / reissued	

AU635797 B2	19930401	LSGT	+	granted / extensions (spc, cpc, pte)	
AU635797 B2	20101129	PEXP		Calculated Patent Term Expiry	
CA2032007 AA	19910612	LSPB	+	published / reissued	
CA2032007 C	19950124	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2032007 C	19910911	LSSES	+EEER	EXAMINATION REQUEST	
CA2032007 C	20031211	LSLE	-MKLA	LAPSED	
CA2032007 C	20101211	PEXP		Calculated Patent Term Expiry	
DE3940878 A1	19910613	LSPB	+	published / reissued	
DE3940878 A1	19910613	LSSES	+OP8	REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW	
DE3940878 C2	19931014	LSGT	+	granted / extensions (spc, cpc, pte)	
DE3940878 C2	19931014	LSGT	+D2	GRANT AFTER EXAMINATION	
DE3940878 C2	19940414	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE3940878 C2	19970807	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : THE COCA-COLA CO. (N.D.GES.D. STAATES DELAWARE), A
DE3940878 C2	20031009	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
DE59004776 D1	19950330	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE59004776 D1	19970807	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : THE COCA-COLA CO. (N.D.GES.D. STAATES DELAWARE), A
DE59004776 D1	19981210	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
DK0432564 T3	19940613	LSGT	+	granted / extensions (spc, cpc, pte)	
DK0432564 T3	20101127	PEXP		Calculated Patent Term Expiry	
EP0432564 A1	19910619	LSPB	+	published / reissued	
EP0432564 A1	19920108	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19911111
EP0432564 A1	19930210	LSSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 19921228
EP0432564 A1	19930908	LSAS	RAP3	APPLICANT DATA CHANGED	PARTYTYPE : OWNER OWNER : BOSCH-SIEMENS HAUSGERAETE GMBH
EP0432564 A1	19930908	LSAS	RAP3	APPLICANT DATA CHANGED	PARTYTYPE : OWNER OWNER : THE COCA-COLA COMPANY
EP0432564 B1	19940302	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0432564 B1	19940501	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2049897 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) :
EP0432564 B1	19941014	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 19941014 YEAR OF FEE PAYMENT : 5
EP0432564 B1	19941020	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 19941020 YEAR OF FEE PAYMENT : 5

EP0432564 B1	19941027	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 19941027 YEAR OF FEE PAYMENT : 5
EP0432564 B1	19941101	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 19941101 YEAR OF FEE PAYMENT : 5
EP0432564 B1	19941110	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 19941110 YEAR OF FEE PAYMENT : 5
EP0432564 B1	19941111	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 19941111 YEAR OF FEE PAYMENT : 5
EP0432564 B1	19941117	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 19941117 YEAR OF FEE PAYMENT : 5
EP0432564 B1	19941118	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 19941118 YEAR OF FEE PAYMENT : 5
EP0432564 B1	19950120	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 19950120 YEAR OF FEE PAYMENT : 5
EP0432564 B1	19950131	LSGT	+EAL	SE: EUROPEAN PATENT IN FORCE IN SWEDEN	REF COUNTRY CODE : EP TEXT : 90122601.9
EP0432564 B1	19950222	LSGT	+26N	NO OPPOSITION FILED	
EP0432564 B1	19951127	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT LAPSED DATE : 19951127
EP0432564 B1	19951127	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB LAPSED DATE : 19951127
EP0432564 B1	19951127	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 19951127
EP0432564 B1	19951128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE LAPSED DATE : 19951128
EP0432564 B1	19951128	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATION OF LAPSE : LAPSE BECAUSE OF EXPIRATION OF PROTECTION LAPSED DATE : 19951128
EP0432564 B1	19951130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE LAPSED DATE : 19951130
EP0432564 B1	19951130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH LAPSED DATE : 19951130
EP0432564 B1	19951130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI LAPSED DATE : 19951130

				INFORMATION FROM NATIONAL OFFICE TO EPO]	
EP0432564 B1	19951130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 19951130 YEAR OF FEE PAYMENT : 6
EP0432564 B1	19960531	LSLE	-BERE	BE: LAPSED	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : BOSCH-SIEMENS HAUSGERATE G.M.B.H. EFFECTIVE DATE : 19951130
EP0432564 B1	19960531	LSLE	-BERE	BE: LAPSED	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : THE COCA-COLA CY EFFECTIVE DATE : 19951130
EP0432564 B1	19960531	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONNOFLAPSE : THE PATENT HAS BEEN ANNULLED BY A DECISION OF A NATIONAL AUTHORITY LAPSED DATE : 19960531
EP0432564 B1	19960715	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP0432564 B1	19960724	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 19951127
EP0432564 B1	19960731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR LAPSED DATE : 19960731
EP0432564 B1	19960731	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GR REF LEGAL EVENT CODE : MM2A TEXT : 3011840
EP0432564 B1	19960805	LSLE	-EUG	SE: EUROPEAN PATENT HAS LAPSED	REF COUNTRY CODE : EP TEXT : 90122601.9
EP0432564 B1	19960927	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST
EP0432564 B1	19961127	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK LAPSED DATE : 19961127
EP0432564 B1	19961127	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DK REF LEGAL EVENT CODE : EBP
EP0432564 B1	19961129	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 19961129 YEAR OF FEE PAYMENT : 7
EP0432564 B1	19970723	LSRE	K1C1	CORRECTION OF PATENT APPLICATION (TITLE PAGE) PUBLISHED	EFFECTIVE DATE : 19910619
EP0432564 B1	19980801	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE NOTIFICATIONNOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 19980801
EP0432564 B1	20001026	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20001026 YEAR OF FEE PAYMENT : 11
EP0432564 B1	20010416	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FD2A EFFECTIVE DATE : 20010301

EP0432564 B1	20020601	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20020601
EP0432564 B1	20020801	LSLE	-NLV4	NL: LAPSED OR ANULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20020601
EP0432564 B1	20051127	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20051127
EP0432564 B1	20101127	PEXP		Calculated Patent Term Expiry	
ES2049897 T3	19940501	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2049897 T3	19940501	LSGT	+FG2A	DEFINITIVE PROTECTION	REF DOCUMENT NUMBER : 432564 COUNTRY OF REF DOCUMENT : ES
ES2049897 T3	20101127	PEXP		Calculated Patent Term Expiry	
JP4006085 A2	19920110	LSPB	+	published / reissued	
KR19910013015 A	19910808	LSPB	+	published / reissued	
KR19910013015 A	19950202	LSES	A201	REQUEST FOR EXAMINATION	
KR19910013015 A	19980629	LSES	-E902	NOTIFICATION OF REASON FOR REFUSAL	
KR19910013015 A	19980915	LSRV	-E601	DECISION TO REFUSE APPLICATION	
US5140832 A	19920825	LSGT	+	granted / extensions (spc, cpc, pte)	
US5140832 A	19910222	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : COCA-COLA COMPANY, THE, 310 NORTH AVENUE, ATLANTA, OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNORS:DEININGER, ANTON; ERDMANN, KLAUS; REEL/FRAME:005618/0465 EFFECTIVE DATE : 19910108
US5140832 A	19910222	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : BOSCH-SIEMENS HAUSGERATE GMBH, HOCHSTRASSE 17, 800 OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNORS:DEININGER, ANTON; ERDMANN, KLAUS; REEL/FRAME:005618/0465 EFFECTIVE DATE : 19910108
US5140832 A	19920812	LSGT	PAT1	Patented Case	
US5140832 A	19960202	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5140832 A	20000204	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5140832 A	20040825	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5140832 A	20041019	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 20040825
US5140832 A	20180127	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5140832 A	20180127	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5140832 A	20101210	PEXP		Calculated Patent Term Expiry	
ZA9009622 A	19910925	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA9009622 A	20101129	PEXP		Calculated Patent Term	

Title: AUTOMATED MIXED DRINK DISPENSER

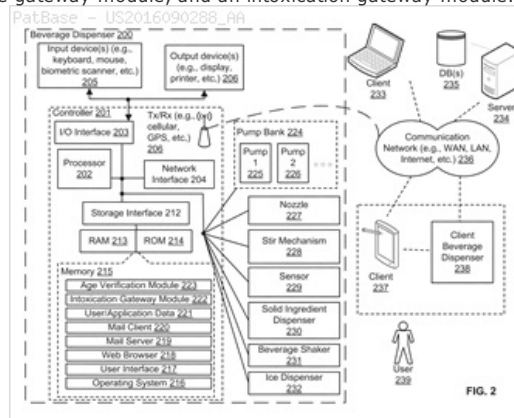
Abstract: This disclosure relates generally to beverage dispensing systems. In one embodiment, device for dispensing a beverage includes a housing and a beverage dispensing control system. The housing may include a plurality of reservoirs each respectively configured to contain a respective liquid ingredient, a plurality of pump mechanisms, wherein each pump in the plurality of pump mechanisms is operatively connected to a respective reservoir from the plurality of reservoirs, and configured to transfer the respective liquid ingredient from the respective reservoir. The housing may further include a nozzle operatively connected to the plurality of pump mechanisms, configured to receive a liquid ingredient from at least one pump mechanism from the plurality of pump mechanism, and dispense the liquid ingredient into a beverage receptacle, a solid ingredient reservoir, a solid ingredient dispensing mechanism, an age gateway module, and an intoxication gateway module.

Classifications:

International (IPC 8-9): B67D1/00 B67D1/08
G05B15/02 (Advanced/Invention)

CPC: B67D1/0888 B67D1/0041 G07F13/065

US: 700/283



Family:

Publication number	Publication date	Application number	Application date
US2016090288 AA	20160331	US20150868317	20150928
WO16053994 A1	20160407	WO2015US52868	20150929

Priority:

US20140056863P 20140929 US20150868317 20150928

Probable Assignee: MONSIEUR INC

Assignee(s): (std): BEAMER DONALD ONEAL JR ; GIVENS BARRY MAURICE JR ; MONSIEUR LLC ; JUDGE PAUL QANTAS ; TAYLOR MARIO LYNDELL II ; WILLIAMS ERIC JOSEPH JR

Assignee(s): MONSIEUR INC

Inventor(s): (std): JUDGE PAUL QANTAS ; GIVENS JR BARRY MAURICE ; BEAMER JR DONALD ONEAL ; WILLIAMS JR ERIC JOSEPH ; TAYLOR II MARIO LYNDELL ; GIVENS BARRY MAURICE JR ; BEAMER DONALD ONEAL JR ; WILLIAMS ERIC JOSEPH JR ; TAYLOR MARIO LYNDELL II

Agent(s): CHAPMAN ERNEST F ET AL

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

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
US2016090288 AA	20160331	LSPB	+	published / reissued	
US2016090288 AA	20160418	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : MONSIEUR, INC., DELAWARE OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS:GIVENS, BARRY M., JR.; JUDGE, PAUL Q.; BEAMER, DONALD O., JR.; AND OTHERS; REEL/FRAME:038308/0053 EFFECTIVE DATE : 20160217
US2016090288 AA	20160921	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : MONSIEUR LLC, GEORGIA OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:WILLIAMS, ERIC, JR.; REEL/FRAME:039819/0286 EFFECTIVE DATE : 20130927
US2016090288 AA	20160921	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : MONSIEUR, INC., DELAWARE OLDPARTY : PATENT TRANSFER AGREEMENT; ASSIGNOR:MONSIEUR LLC; REEL/FRAME:040097/0830 EFFECTIVE DATE : 20160401
US2016090288 AA	20171210	LSES	-NFA2	Non Final	

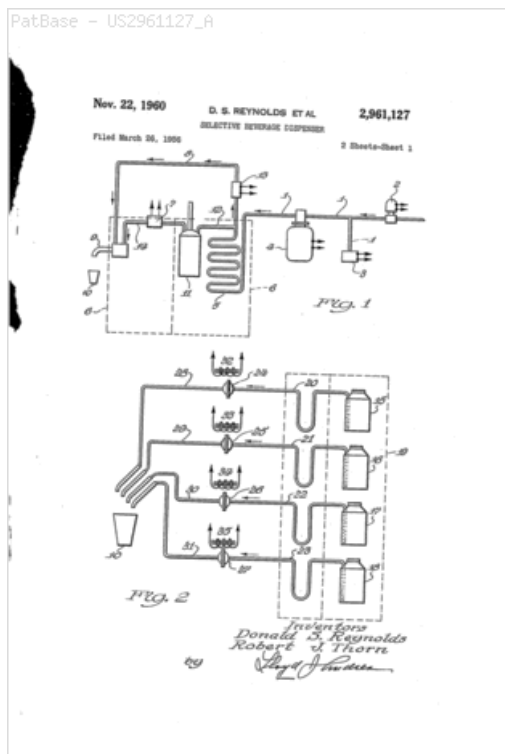
				Action Counted, Not Yet Mailed	
US2016090288 AA	20171213	LSES	NFA1	Non Final Action Mailed	
US2016090288 AA	20180622	LSWD	-ABD3	Abandoned - - Failure to Respond to an Office Action	
WO16053994 A1	20160407	LSPB	+	published / reissued	
WO16053994 A1	20170329	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO16053994 A1	20180307	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 15845934 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

Title: SELECTIVE BEVERAGE DISPENSER

Abstract: (Claim 1) 1. In a beverage dispensing **machine**, the combination comprising means for supplying non-carbonated water, a source of pressurized carbonated water, a non-carbonated water-dispensing conduit connected with said means and containing a normally-closed, electrically-operated valve, a carbonated water-dispensing conduit connected with said source and containing a normally-closed, electrically-operated valve, and dispensing-cycle-control circuit means including a manually-operated switch having two contact positions, a circuit for electrically energizing said electrically-operated valve in said non-carbonated water dispensing conduit, a second circuit for electrically energizing said electrically-operated valve in said carbonated water-dispensing conduit, one of said circuits including one of the contact positions of said manually-operated switch, a normally open control switch in each of said circuits, means for simultaneously closing said control switches for a predetermined, equal- period of time, a circuit including the other contact position of said manually-operated switch and also including switch means operable during said period of time and electrically connected with said electrically-operated valves through their respective control switch for closing the circuit through first one and then the other of said control switches while they are closed during said predetermined period for dispensing during said period of time both carbonated and non-carbonated water in sequential order, and a drink selector switch electrically connected, with said circuits through said manually-operated switch, whereby the position of said manually-operated switch determines the type of water dispensed for the selected drink.

Classifications:**International (IPC 8-9):** G07F13/06 (Advanced/Invention);

G07F13/06 (Core/Invention)

International (IPC 1-7): B67D5/02**CPC:** G07F13/065**European:** G07F13/06B**US:** 222/129.4 222/144.5 222/644**Family:**

Publication number	Publication date	Application number	Application date
US2961127 A	19601122	US19560573824	19560326

Priority:

US19560573824 19560326

Probable Assignee: AUTOMATIC CANTEEN CO**Assignee(s):** (std): AUTOMATIC CANTEEN CO**Assignee(s):** AUTOMATIC CANTEEN CO OF AMERICA ; AUTOMATIC CANTEEN COMPANY OF AMERICA**Inventor(s):** (std): REYNOLDS DONALD S ; THORNE ROBERT J**Legal status (INPADOC)**[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
US2961127 A	19601122	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: **AUTOMATIC BEVERAGE DISPENSER** WITH KEY CONTROL

Abstract: An **automatic beverage dispenser** operated by keys and provided with means for automatically dispensing a liquid and with means for providing a price indication and recordation for the drink chosen and a recordation of the number of drinks dispensed by each key holder. Means are provided for concurrently dispensing more than one drink without interfering with the dispensing of the other drink. The electronic means including pulse counters are utilized to accomplish the above described functions.

Classifications:

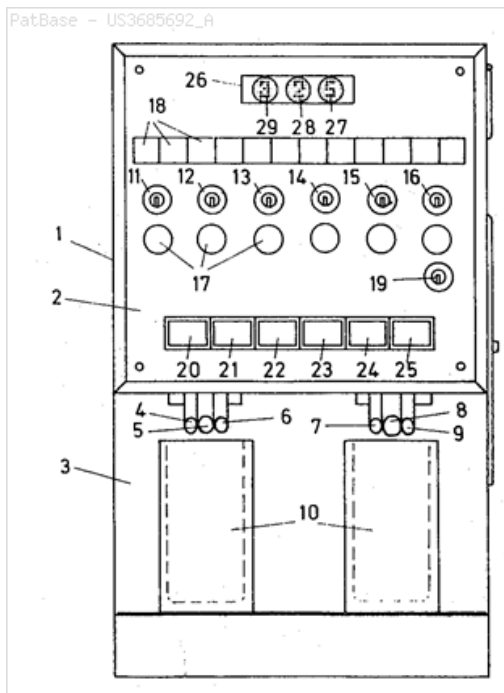
International (IPC 8-9): B67D1/00 B67D7/10 G07F13/06
G07F7/02 (Advanced/Invention)

International (IPC 1-7): B67D,5/10 B67D1/00 B67D5/00 B67D5/08
B67D5/10 B67D5/32 G07F7/02

CPC: B67D1/0041 B67D7/103 B67D2210/00083 B67D2210/00091
G06Q20/206 G07F7/02 G07F13/065

European: B67D1/00G B67D7/10B G06Q20/206 G07F13/06B
G07F7/02 L67D210/00D8B L67D210/00D8H

US: 222/129.4 222/153 222/153.03 222/23



Family:

Publication number	Publication date	Application number	Application date
AT300604 B	19720810	AT19700007142	19700805
BE754691 A	19710118		00000000
BE754691 A1	19710118		19700811
CH514204 A	19711015	CH19690012429	19690815
DE2032795 A1	19710218	DE19702032795	19700701
FR2056873 A5	19710514	FR19700029600	19700811
NL7011875 A	19710217	NL19700011875	19700812
US3685692 A	19720822	US19700064260	19700817

Priority:

CH19690012429 19690815

Probable Assignee: DERBY ANSTALT

Assignee(s): (std): DERBY ANSTALT ; ERNE HANSJOERG ; HALMA LASZLO

Assignee(s): DERBY ANSTALT 9490 VADUZ PRINC DE LIECHTENSTEIN

Inventor(s): (std): H ERNE ; L HALMA ; ERNE HANSJORG ; HALMA LASZLO ; HANSJOERG ERNE ; LASZLO HALMA ; ERNE H ; HALMA L

Inventor(s): HANSJORG ERNE ; ERNE HANSJOERG

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
AT300604 B	19720810	LSGT	+	granted / extensions (spc, cpc, pte)	
AT300604 B	19750815	LSLE	-ELJ	CEASED DUE TO NON-PAYMENT OF THE ANNUAL FEE	
AT300604 B	19900805	PEXP		Calculated Patent Term Expiry	
BE754691 A	19710118	LSPB	+	published / reissued	
BE754691 A1	19710118	LSPB	+	published / reissued	
CH514204 A	19711015	LSGT	+	granted / extensions (spc, cpc, pte)	
CH514204 A	19770315	LSLE	-PL	PATENT CEASED	
CH514204 A	19890815	PEXP		Calculated Patent Term Expiry	
DE2032795 A1	19710218	LSPB	+	published / reissued	
FR2056873 A5	19710514	LSGT	+	granted / extensions (spc, cpc, pte)	

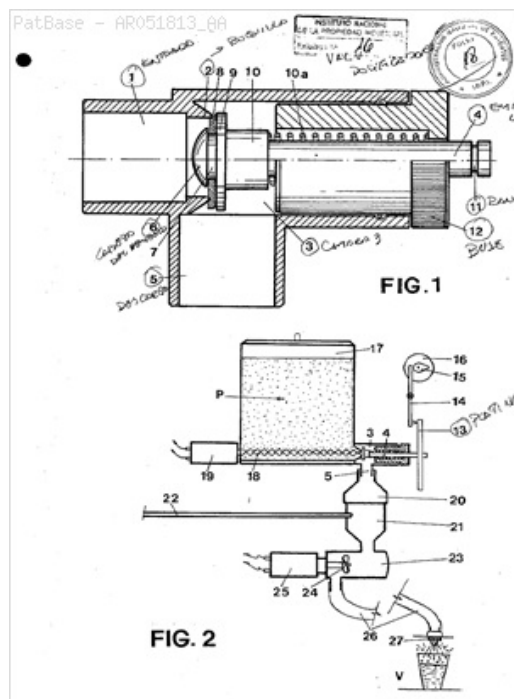
FR2056873 A5	19741011	LSLE	-ST	NOTIFICATION OF LAPSE
FR2056873 A5	19900811	PEXP		Calculated Patent Term Expiry
NL7011875 A	19710217	LSPB	+	published / reissued
US3685692 A	19720822	LSGT	+	granted / extensions (spc, cpc, pte)

Title: DISPENSADOR DE MATERIALES PULVERIZADOS APLICABLE EN MAQUINAS AUTOMATICAS PROVEEDORAS DE BEBIDAS FRIAS GASIFICADAS Pulverized materials applicable in automatic **machines** supplying dispensing carbonated cold drinks (**Machine** translation)

Abstract: Source: AR051813A [ES] Cada uno de los dispensadores dosificadores de materias pulverizadas que se incorpora en la maquinaria con medios para su seleccion, esta constituido por una tolva de alimentacion del material soluble en la que se provee un medio proveedor del producto pulverizado hacia una valvula integrada por un cuerpo hueco que incluye en su interior una boquilla a continuacion de la cual se dispone normalmente un conducto de descarga. Coaxialmente montado en forma desplazable se dispone un embolo con extremo redondeado, portador de un medio de sello, vinculable operativamente con dicha boquilla, comandado por medio de un mecanismo excéntrico. El conducto de descarga del polvo soluble, se comunica con una camara emulsionadora donde llega el liquido gasificado y enfriado que desemboca seguidamente, a traves de una segunda camara de mezcla, en la boquilla de salida de la bebida. **Machine translation:** Each of the dispensers dispensers of substances which is incorporated into the pulverized machinery with means for selection, is constituted by a feed hopper of the water-soluble material which provides a supplier of the product sprayed into a valve comprising a hollow body that includes therein a nozzle below which is typically disposed a discharge conduit. A plunger is arranged displaceably mounted coaxially with rounded end, carrying a seal, linkable operably linked to said nozzle, commanded by means of a cam mechanism. The discharge pipe of the water-soluble powder, communicates with a chamber emulsifying the gasified and cooled liquid which flows then through a second mixing chamber, in the outlet nozzle of the beverage.

Classifications:

International (IPC 1-7): B05B7/14 B05B7/14 B67D1/04 B67D1/04



Family:

Publication number	Publication date	Application number	Application date
AR051813 AA	20070214	AR1999P104977	19990930

Priority:

AR1999P104977 19990930 AR1999P104977 19990930

Probable Assignee: TALLERES REUNIDOS ITALO ARGENT

Assignee(s): (std): TALLERES REUNIDOS ITALO ARGENT ; TALLERES REUNIDOS ITALO ARGENTINO S A

Assignee(s): TALLERES REUNIDOS ITALO ARGENTINO SA

Inventor(s): (std): BOSI ANTONIO

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
AR051813 AA	20070214	LSPB	+	published / reissued	
AR051813 AA	20080529	LSGT	+FG	GRANT, REGISTRATION	

Title: DEVICE FOR MIXING TWO LIQUIDS AT ONE TIME

Abstract: In a device for mixing two liquids at one time in a fixedly predetermined mixture ratio, one of the liquids, in particular the liquid for the smaller mixture proportion, being fed in successive individual portions through a volume-metering apparatus and the other liquid being fed in a flow-regulated manner to a mixing region via a time-controlled delivery valve, the time-controlled delivery valve can be activated cyclically in accordance with the actuation of the volume-metering apparatus.

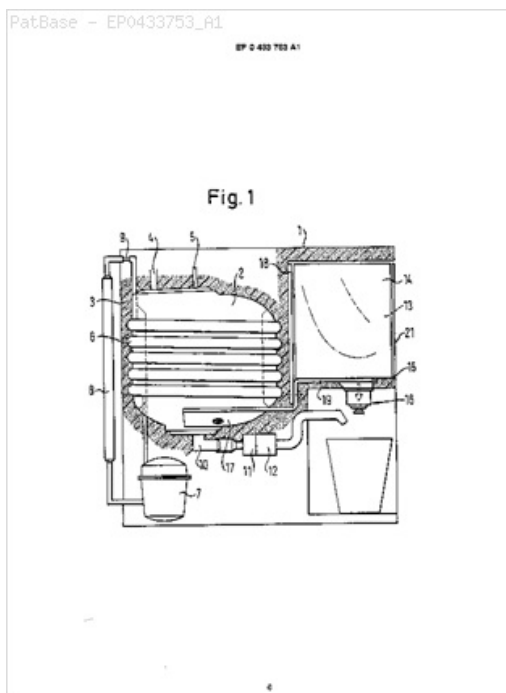
Classifications:

International (IPC 8-9): B67D1/00 B67D1/04 B67D1/10 B67D1/12 B67D5/56 (Advanced/Invention); B67D1/00 (Advanced/Non-invention); B67D1/00 (Core/Invention)

International (IPC 1-7): B01F15/04 B67D1/00 B67D1/04 B67D1/12 B67D5/18 B67D5/56 G05D7/00

CPC: B67D1/10 B67D1/1234

European: B67D1/10 B67D1/12B B67D1/12B6



Family:

Publication number	Publication date	Application number	Application date
AT107910 E	19940715	AT19900123190T	19901204
AU1990067962 A1	19910613	AU19900067962	19901211
AU644391 B2	19931209	AU19900067962	19901211
CA2032011 AA	19910612	CA19902032011	19901211
CA2032011 C	19961105	CA19902032011	19901211
DE3940879 C1	19910808	DE19893940879	19891211
DE59006313 D1	19940804	DE19905006313	19901204
DK0433753 T3	19941031	DK19900123190T	19901204
EP0433753 A1	19910626	EP19900123190	19901204
EP0433753 B1	19940629	EP19900123190	19901204
ES2055281 T3	19940816	ES19900123190T	19901204
JP3330594 B2	20020930	JP19900336892	19901130
JP4006081 A2	19920110	JP19900336892	19901130
ZA9009623 A	19910925	ZA19900009623	19901130

Priority:

DE19893940879 19891211 DE19905006313 19901204 CA19902032011 19901211

Probable Assignee: BOSCH SIEMENS HAUSGERAETE GMBH

Assignee(s): (std): COCA COLA CO ; BOSCH SIEMENS H USGERATE GMBH ; BOSCH SIEMENS HAUSGERAETE

Assignee(s): BOSCH SIEMENS HAUSGERAETE GMBH ; BOSCH SIEMENS HAUSGERAETE GMBH 8000 MUENCHEN DE ; BOSCH SIEMENS HAUSGERAETE GMBH 81669 MUENCHEN DE ; COCA COLA CO THE ; BOSCH SIEMENS HAUSGERATE G M B H ; BOSCH SIEMENS HAUSGERATE GMBH ; COCA COLA COMPANY THE ; EICHLER WALTER ; FAERBER KARLHEINZ ; DEININGER ANTON ; THE COCA COLA COMPANY ; THE COCA COLA CO ; THE COCA COLA CO ATLANTA GA US ; RAAB ALFRED ; GIEFER HEINZ WERNER

Inventor(s): (std): HEINZ WERNER GIEFER ; ANTON DEININGER ; ALFRED RAAB ; WALTER EICHLER ; KARLHEINZ FAERBER ; FARBER KARLHEINZ DIPL ING ; KAARUHAINTSU FUERUBAA ; WARUTAA AIHIRAA ; ARUFUREETO RAAPU ; HAINTSUURUNAA GIIFUAA ; ANTON DAININGAA ; EICHLER WALTER ; DEININGER ANTON ; GIEFER HEINZ WERNER ; FAERBER KARLHEINZ ; RAAB ALFRED ; FARBER KARLHEINZ ; FAERBER KARLHEINZ DIPL ING ; EICHLER WALTER DIPL ING ; DEININGER ANTON DIPL ING ; GIEFER HEINZ WERNER DIPL ING ; RAAB ALFRED DIPL ING

Inventor(s): KARLHEINZ FARBER ; RAAB ALFRED DIPL ING FH 7080 AALEN DE ; GIEFER HEINZ WERNER DIPL ING FH 7927 SONTHEIM DE ; FAERBER KARLHEINZ DIPL ING FH 7928 GIENGEN DE ; EICHLER WALTER DIPL ING FH 7929 GERSTETTEN DE ; DEININGER ANTON DIPL ING FH 8887 BACHHAGAL DE

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; SIM AND MCBURNEY

Designated states: AT BE CH DE DK ES FR GB GR IT LI LU NL SE

Legal status (INPADOC)

[View legal status timeline](#)

AT107910 E	19940715	LSGT	+	granted / extensions (spc, cpc, pte)	
AT107910 E	19960915	LSLE	-REN	CEASED DUE TO NON-PAYMENT OF THE ANNUAL FEE	
AT107910 E	20101204	PEXP		Calculated Patent Term Expiry	
AU199067962 A1	19910613	LSPB	+	published / reissued	
AU644391 B2	19931209	LSGT	+	granted / extensions (spc, cpc, pte)	
AU644391 B2	20101211	PEXP		Calculated Patent Term Expiry	
CA2032011 AA	19910612	LSPB	+	published / reissued	
CA2032011 AA	19910508	LSES	+EEER	EXAMINATION REQUEST	
CA2032011 C	19961105	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2032011 C	20031211	LSLE	-MKLA	LAPSED	
CA2032011 C	20101211	PEXP		Calculated Patent Term Expiry	
DE3940879 C1	19910808	LSGT	+	granted / extensions (spc, cpc, pte)	
DE3940879 C1	19910808	LSPB	+8100	PUBLICATION OF THE EXAMINED APPLICATION WITHOUT PUBLICATION OF UNEXAMINED APPLICATION	
DE3940879 C1	19910808	LSGT	+D1	GRANT (NO UNEXAMINED APPLICATION PUBLISHED) PATENT LAW 81	
DE3940879 C1	19920213	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE3940879 C1	19971211	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
DE59006313 D1	19950727	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE59006313 D1	19970807	LSAS	8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER	PARTYTYPE : OWNER OWNER : THE COCA-COLA CO. (N.D.GES.D. STAATES DELAWARE), A
DE59006313 D1	20031009	LSLE	-8339	CEASED/NON-PAYMENT OF THE ANNUAL FEE	
DK0433753 T3	19941031	LSGT	+	granted / extensions (spc, cpc, pte)	
DK0433753 T3	20101204	PEXP		Calculated Patent Term Expiry	
EP0433753 A1	19910626	LSPB	+	published / reissued	
EP0433753 A1	19910904	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : BOSCH-SIEMENS HAUSGERAETE GMBH
EP0433753 A1	19910904	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : THE COCA-COLA COMPANY
EP0433753 A1	19920226	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19911219
EP0433753 A1	19920513	LSRE	K1C1	CORRECTION OF PATENT APPLICATION (TITLE PAGE) PUBLISHED	EFFECTIVE DATE : 19910626
EP0433753 A1	19930310	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 19930125
EP0433753 A1	19930908	LSAS	RAP3	APPLICANT DATA CHANGED	PARTYTYPE : OWNER OWNER : BOSCH-SIEMENS HAUSGERAETE GMBH
EP0433753 A1	19930908	LSAS	RAP3	APPLICANT DATA CHANGED	PARTYTYPE : OWNER OWNER : THE COCA-COLA COMPANY
EP0433753 B1	19940629	LSGT	+	granted / extensions (spc, cpc, pte)	

EP0433753 B1	19940816	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2055281 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) :
EP0433753 B1	19941101	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 19941101 YEAR OF FEE PAYMENT : 5
EP0433753 B1	19941110	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 19941110 YEAR OF FEE PAYMENT : 5
EP0433753 B1	19941114	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE PAYMENT DATE : 19941114 YEAR OF FEE PAYMENT : 5
EP0433753 B1	19941117	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT PAYMENT DATE : 19941117 YEAR OF FEE PAYMENT : 5
EP0433753 B1	19941125	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 19941125 YEAR OF FEE PAYMENT : 5
EP0433753 B1	19941209	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR PAYMENT DATE : 19941209 YEAR OF FEE PAYMENT : 5
EP0433753 B1	19941214	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 19941214 YEAR OF FEE PAYMENT : 5
EP0433753 B1	19950131	LSGT	+EAL	SE: EUROPEAN PATENT IN FORCE IN SWEDEN	REF COUNTRY CODE : EP TEXT : 90123190.2
EP0433753 B1	19950407	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 19950407 YEAR OF FEE PAYMENT : 5
EP0433753 B1	19950621	LSGT	+26N	NO OPPOSITION FILED	
EP0433753 B1	19951204	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT LAPSED DATE : 19951204
EP0433753 B1	19951204	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB LAPSED DATE : 19951204
EP0433753 B1	19951204	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 19951204
EP0433753 B1	19951205	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE LAPSED DATE : 19951205
EP0433753 B1	19951205	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF EXPIRATION OF PROTECTION LAPSED DATE : 19951205
EP0433753 B1	19951231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA	COUNTRY OF REF DOCUMENT : BE LAPSED DATE : 19951231

				POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	
EP0433753 B1	19960102	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 19960102 YEAR OF FEE PAYMENT : 6
EP0433753 B1	19960630	LSLE	-BERE	BE: LAPSED	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : BOSCH-SIEMENS HAUSGERATE G.M.B.H. EFFECTIVE DATE : 19951231
EP0433753 B1	19960630	LSLE	-BERE	BE: LAPSED	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : THE COCA-COLA CY EFFECTIVE DATE : 19951231
EP0433753 B1	19960630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : THE PATENT HAS BEEN ANNULLED BY A DECISION OF A NATIONAL AUTHORITY LAPSED DATE : 19960630
EP0433753 B1	19960731	LSLE	-GBPC	GB: EUROPEAN PATENT CEASED THROUGH NON- PAYMENT OF RENEWAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 19951204
EP0433753 B1	19960815	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP0433753 B1	19960830	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR LAPSED DATE : 19960830
EP0433753 B1	19960831	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GR REF LEGAL EVENT CODE : MM2A TEXT : 3012722
EP0433753 B1	19961015	LSRE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : AEN TEXT : DAS PATENT IST AUFGRUND DES WEITERBEHANDLUNGSANTRAGS VOM 25.09.1996 WIEDER AKTIVIERT WORDEN.
EP0433753 B1	19961031	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : ST
EP0433753 B1	19961204	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK LAPSED DATE : 19961204
EP0433753 B1	19961204	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DK REF LEGAL EVENT CODE : EBP
EP0433753 B1	20010416	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FD2A EFFECTIVE DATE : 20010301
EP0433753 B1	20011120	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20011120 YEAR OF FEE PAYMENT : 12
EP0433753 B1	20011120	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20011120 YEAR OF FEE PAYMENT : 12
EP0433753 B1	20011208	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20011208 YEAR OF FEE PAYMENT : 12
EP0433753 B1	20021231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON- PAYMENT OF DUE FEES

				NATIONAL OFFICE TO EPO]	LAPSED DATE : 20021231
EP0433753 B1	20021231	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20021231
EP0433753 B1	20030701	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20030701
EP0433753 B1	20030701	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20030701
EP0433753 B1	20030815	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP0433753 B1	20030901	LSLE	-NLV4	NL: LAPSED OR ANULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE	REF COUNTRY CODE : EP EFFECTIVE DATE : 20030701
EP0433753 B1	20051204	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20051204
EP0433753 B1	20101204	PEXP		Calculated Patent Term Expiry	
ES2055281 T3	19940816	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2055281 T3	19940816	LSGT	+FG2A	DEFINITIVE PROTECTION	REF DOCUMENT NUMBER : 433753 COUNTRY OF REF DOCUMENT : ES
ES2055281 T3	20101204	PEXP		Calculated Patent Term Expiry	
JP3330594 B2	20020930	LSGT	+	granted / extensions (spc, cpc, pte)	
JP3330594 B2	20050719	LSLE	-LAPS	CANCELLATION BECAUSE OF NO PAYMENT OF ANNUAL FEES	
JP3330594 B2	20101130	PEXP		Calculated Patent Term Expiry	
JP4006081 A2	19920110	LSPB	+	published / reissued	
ZA9009623 A	19910925	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA9009623 A	20101129	PEXP		Calculated Patent Term Expiry	