

1) Family number: 11664079 (US5234162A)

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Title: Air freshener device cartridge

Abstract: An air freshener device (10) having a cartridge (14) and a cartridge housing (16) is disclosed. The housing (16) has a sealed first cavity (18) and a sealed second cavity (20) having a first fragrance (22) and a second fragrance (24), respectively. First and second cavities (18) and (20) have first and second opening (34) and (54) respectively. The device (10) includes a housing (12) having air passage openings (70), (76), (78), a fan (82) and power means (80) and also supports cartridge (14). When the power means (80) powers the fan (82) the air passage openings (70), (76) and (78) receive air which moves from the second (76) to the third (78) air passage opening and from the first air passage opening (70) across the cartridge (14) picking up the fragrances (22) and (24), resulting in an air-fragrance mixture which is drawn into an unobstructed air flow between the second and third air passage openings (76) and (78) and exits the third air passage opening (78), thereby allowing dispersion of the fragrance (22) and (24).

Classifications:

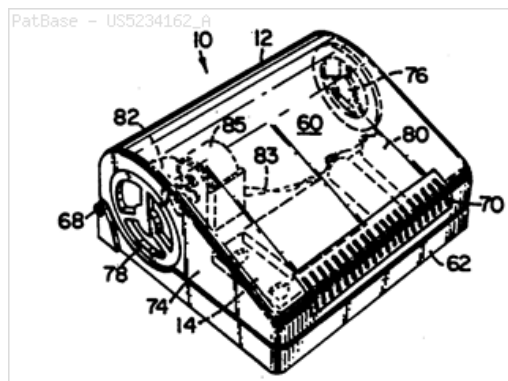
International (IPC 8-9): A61L9/12 (Advanced/Invention);
A61L9/12 (Core/Invention)

International (IPC 1-7): A61L9/04 A61L9/12 B01D7/00

CPC: Y10S206/807 A61L9/122

European: A61L9/12F

US: 206/807 220/306 221/66 239/51.5 239/55 239/56 239/57 239/58
422/122 422/124 422/5



Family:

Publication number	Publication date	Application number	Application date
CA2007854 AA	19910313	CA19902007854	19900116
CA2007854 C	19981215	CA19902007854	19900116
CA2068462 AA	19921118	CA19922068462	19920512
CA2068462 C	19980428	CA19922068462	19920512
US5234162 A	19930810	US19910762156	19911126
US5342584 A	19940830	US19930022800	19930223

Priority:

US19890406724 19890913 CA19902007854 19900116 US19910703147 19910517
US19910762156 19911126 CA19922068462 19920512 US19930022800 19930223

Probable Assignee: ECOLAB INC

Assignee(s): (std): ECOLAB INC

Assignee(s): FRITZ BARBARA L ; MORGANSON STEPHEN A ; OLSON JOHN T ; SULLIVAN WILLIAM E

Inventor(s): (std): SULLIVAN WILLIAM E ; MORGANSON STEPHEN A ; OLSON JOHN T ; FRITZ BARBARA L

Agent(s): CASSAN MACLEAN

2) Family number: 32514091 (WO07045835A2)

© PatBase

Title: DEVICE

Abstract: The invention provides a device (2) for dispensing a fluid for fragrancing, deodorising or sanitising air. The device (2) comprises a body (8, 10) for housing at least one cartridge (36) containing a fluid to be dispensed. The body (8, 10) has an aperture (14) adapted to allow the fluid to exit to the air, and a support surface (31). The body (8, 10) is adapted to receive the cartridge (36) through an opening (34) in the support surface (31). The support surface (31) forms a base (6) of the device (2).

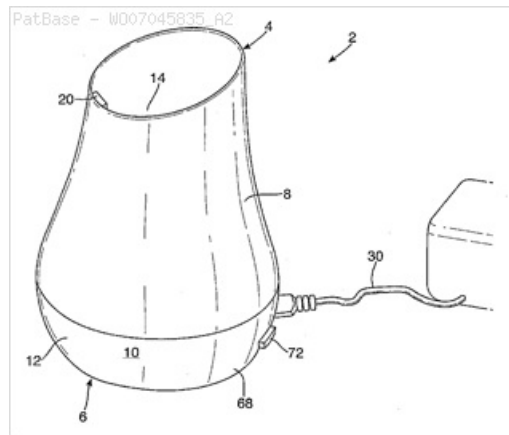
Classifications:

International (IPC 8-9): A61L9/03 A61L9/12 (Advanced/Invention);
A61L9/015 A61L9/03 A61L9/12 (Core/Invention)

International (IPC 1-7): A61L9/00 A61L9/03

CPC: A61L9/037

European: A61L9/03



Family:

Publication number	Publication date	Application number	Application date
AR058494 AA	20080206	AR2006P104612	20061020
GB200521471 A0	20051130	GB20050021471	20051021
TH85323 A	20070628	TH20061005182	20061020
WO07045835 A2	20070426	WO2006GB03820	20061016
WO07045835 A3	20071221	WO2006GB03820	20061016

Priority:

GB20050021471 20051021

Probable Assignee: RECKITT BENCKISER GROUP PLC

Assignee(s): (std): GOREHAM PHILIP WILLIAM ; KENNEDY DAVID ; NEWTON PAUL ; RECKITT BENCKISER GROUP PLC ; RECKITT BENCKISER UK LTD

Assignee(s): RECKITT BENCKISER LTD ; RECKITT BENCKISER UK LIMITED

Inventor(s): (std): GOREHAM PHILIP WILLIAM ; GOREHAM PHILIP WILLIAM ; NEWTON PAUL ; KENNEDY DAVID

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

3) Family number: 32514092 (US2008279731A)

© PatBase

Title: DEVICE

Abstract: The invention relates to a device for dispensing a fluid for fragrancng, deodorising or sanitising air. The device having a body (2) comprising a shade (8), a chassis (10) having a base (6), a cartridge housing (26) mounted on the chassis (10) and adapted for housing at least one cartridge (36) containing a fluid to be dispensed, and at least one electrical light source (74). The at least one electrical light source (74) is located on the base (6) between the cartridge housing (26) and a sidewall of the body (2).

Classifications:

International (IPC 8-9): A61L9/015 A61L9/02

A61L9/03 (Advanced/Invention);

A61L9/02 A61L9/03 (Advanced/Non-invention);

A61L9/015 A61L9/03 (Core/Invention);

A61L (Subclass/Invention)

International (IPC 1-7): A61L9/00 A61L9/03

CPC: A61L9/037 A61L2209/12

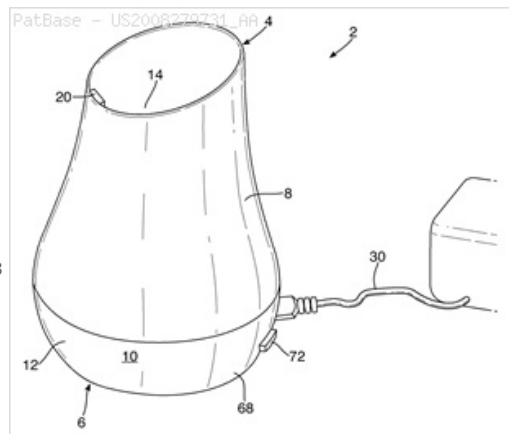
European: A61L9/03W K61L209/120

US: 422/123 422/123S 422/125 422/125P

JP F-Term: 4C080 4C080/AA03 4C080/AA04 4C080/BB02 4C080/BB03 4C080/BB07 4C080/CC01 4C080/HH03 4C080/KK04 4C080/QQ01 4C080/QQ12 4C080/QQ14 4C080/QQ16 4C180 4C180/AA02 4C180/AA03 4C180/AA07 4C180/CA03 4C180/GG03 4C180/GG08 4C180/HH09 4C180/HH19 4C180/JJ01 4C180/JJ05 4C180/LL04 4C180/LL06

JP F-Index: A61L9/03/ZAB

JP Facet: ZAB



Family:

Publication number	Publication date	Application number	Application date
AR058491 AA	20080206	AR2006P104604	20061020
AT554796 E	20120515	AT20060794765T	20061016
AU2006303101 AA	20070426	AU20060303101	20061016
AU2006303101 AH	20081218	AU20060303101	20061016
AU2006303101 BB	20120726	AU20060303101	20061016
BRPI0617629 A2	20110802	BR2006PI17629	20061016

CA2626354 AA	20080418	CA20062626354	20061016
DE602006029116 D1	20120621	DE200660029116T	20061016
EP1954326 A2	20080813	EP20060794765	20061016
EP1954326 B1	20120425	EP20060794765	20061016
ES2383200 T3	20120619	ES20060794765T	20061016
GB200521472 A0	20051130	GB20050021472	20051021
JP2009512474 T2	20090326	JP20080536111T	20061016
KR20080067668 A	20080721	KR20087011662	20061016
PL1954326 T3	20120928	PL20060794765T	20061016
TH85321 A	20070628	TH20061005180	20061020
US2008279731 AA	20081113	US20060090555	20061016
WO07045834 A2	20070426	WO2006GB03819	20061016
WO07045834 A3	20080925	WO2006GB03819	20061016
ZA200803520 A	20090930	ZA20080003520	20080422

Priority:

GB20050021472 20051016 GB20050021472 20051021 EP20060794765 20061016
WO2006GB03819 20061016

Probable Assignee: RECKITT BENCKISER GROUP PLC

Assignee(s): (std): GOREHAM PHILIP WILLIAM ; KENNEDY DAVID ; MITED ; NEWTON PAUL ; RECKITT BENCKISER ; RECKITT BENCKISER UK LTD ; UK RECKITT BENCKISER LTD ; RECKITT BENCKISER GROUP PLC

Assignee(s): RECKITT BENCKISER UK SLOUGH LTD ; RECKITT BENCKISER UK LIMITED ; UK RECKITT BENCKISER LIMITED ; RECKITT BENCKISER (UK) LTD ; RECKITT BENCKISER LTD

Inventor(s): (std): KENNEDY DAVID ; NEWTON PAUL ; GOREHAM PHILIP WILLIAM ; GOREHAM PHILIP WILLIAM ; DAVID KENNEDY ; PAUL NEWTON ; WILLIAM GOREHAM PHILIP ; GOREHAM PHILIP

Inventor(s): KENNEDY DAVID MONTVALE ; PHILIP WILLIAM GOREHAM ; GOREHAM PHILIP WILLIAM

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; FETHERSTONHAUGH AND CO; CARLIN ROBERT GEORGE; NORRIS MC LAUGHLIN AND MARCUS

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

4) Family number: 32514094 (WO07045832A1)

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Title: AIR FRESHENER WITH LIGHTING UNIT

Abstract: The invention provides a device for dispensing a fluid for fragrancing, deodorising or sanitising air. The device has a body (2) for housing at least one cartridge (36) containing a fluid to be dispensed. The body (2) comprises a shade (8), a chassis (10) having a support surface (31), and a plurality of component parts which are adapted to operate the device. The plurality of component parts are located on the chassis (10) of the device. The body (2) is adapted to receive said cartridge (36) through an opening (34) in the support surface (31). The device may further comprise light sources, a rotatable optical filter element. The shade may be replaced by another with different shape and color. The cartridge is located in the device comprising a heated wick for dispensing the scent material.

Classifications:

International (IPC 8-9): A01M1/20 A61L9/02 A61L9/03

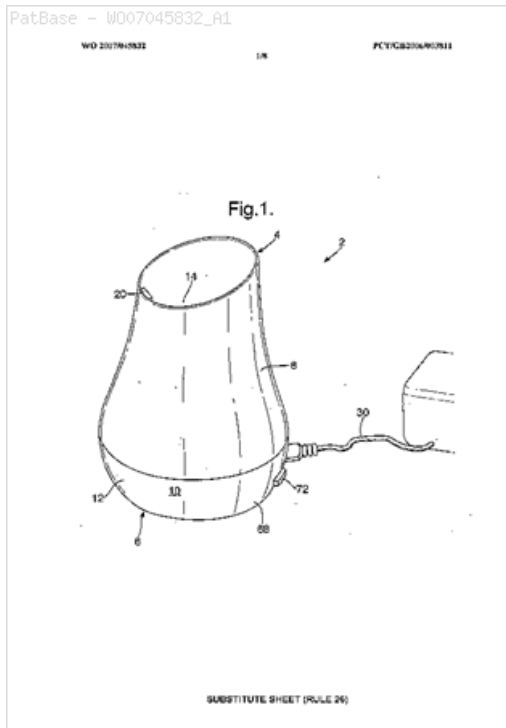
A61L9/20 (Advanced/Invention);

A01M1/20 A61L9/015 A61L9/18 (Core/Invention)

International (IPC 1-7): A61L9/12

CPC: A61L9/037 A01M1/2077 A61L9/20 A61L2209/12

European: A01M1/20C4G A61L9/03W A61L9/20 K61L209/120



Family:

Publication number	Publication date	Application number	Application date
AR058493 AA	20080206	AR2006P104610	20061020
GB200521474 A0	20051130	GB20050021474	20051021
WO07045832 A1	20070426	WO2006GB03811	20061016

Priority:

GB20050021474 20051021

Probable Assignee: RECKITT BENCKISER GROUP PLC

Assignee(s): (std): GOREHAM PHILIP WILLIAM ; KENNEDY DAVID ; NEWTON PAUL ; RECKITT BENCKISER GROUP PLC ; RECKITT BENCKISER UK LTD

Assignee(s): RECKITT BENCKISER LTD ; RECKITT BENCKISER UK LIMITED

Inventor(s): (std): KENNEDY DAVID ; NEWTON PAUL ; GOREHAM PHILIP WILLIAM ; GOREHAM PHILIP WILLIAM

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

5) Family number: 24250120 (USD355251S)

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Title: FRAGRANCE DIFFUSER CARTRIDGE FOR AN ELECTRIC AIR FRESHENER

Abstract: (Claims)The ornamental design for a fragrance diffuser cartridge for an electric air freshener, as shown and described.

Classifications:

US: D23/366

PatBase - USD355251_S1

U.S. Patent Feb. 7, 1999 Sheet 1 of 4 Des. 355,251

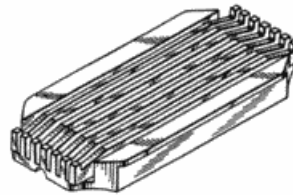


FIG. 1

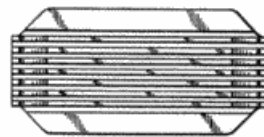


FIG. 2

Family:

Publication number	Publication date	Application number	Application date
USD355251 S1	19950207	US19940018133F	19940131

Priority:

US19940018133F 19940131

Probable Assignee: RECKITT BENCKISER GROUP PLC

Assignee(s): (std): RECKITT AND COLMAN INC

Assignee(s): RECKITT BENCKISER GROUP PLC ; RECKITT BENCKISER INC

Inventor(s): (std): PATEL MANHAR K ; PAULOVICH JOHN M

Inventor(s): JOHN M PAULOVICH ; PATEL NJ ; MANHAR K PATEL

6) Family number: 17151137 (ES1003027Y)

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Title: DISPOSITIVO AMBIENTADOR PARA AUTOMOVILES

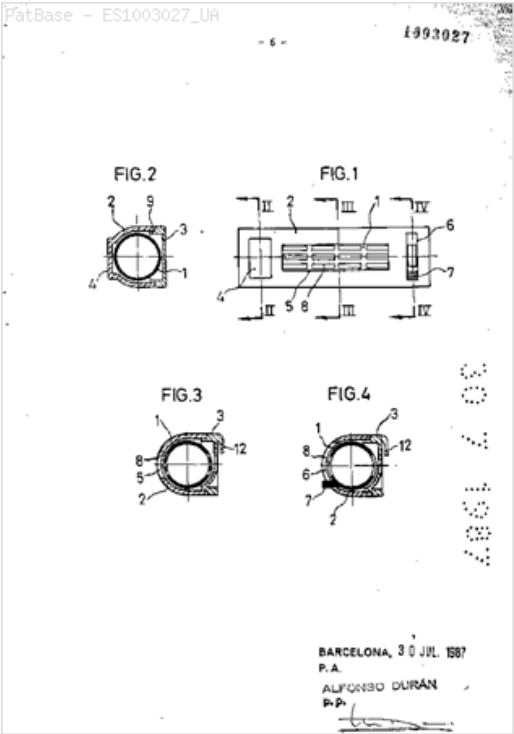
Abstract: Source: ES1003027U [ES] DISPOSITIVO AMBIENTADOR PARA AUTOMOVILES, DEL TIPO DIFUSOR DE UN PRODUCTO VOLATIL Y PERFUMANTE EN EL HABITACULO, CARACTERIZADO ESENCIALMENTE POR COMPRENDER UNA CAJA-CARACA CON ABERTURAS Y CON MEDIOS PARA SU ACOPLAMIENTO A LAS ALETAS DE LOS DIFUSORES ORIENTABLES SITUADOS SOBRE EL TABLERO DE INSTRUMENTOS DEL VEHICULO, CONTENIENDO UN CARTUCHO RECAMBIABLE PORTADOR DE UN PRODUCTO

PERFUMANTE, DE POSICION AJUSTABLE MEDIANTE UN APENDICE SOLIDARIO DEL CARTUCHO Y ACCIONABLE DESDE EL EXTERIOR DE LA CAJA-CARCASA. **Machine translation:** Freshener DEVICE FOR MOTOR VEHICLES, OF THE TYPE OF A VOLATILE PRODUCT AND PERFUMING DIFFUSER IN THE PASSENGER COMPARTMENT, characterized essentially by COMPRISING A BOX-HOUSING WITH OPENINGS AND WITH MEANS FOR COUPLING TO THE DIFFUSERS STEERABLE FINS LOCATED ON THE DASHBOARD OF THE VEHICLE, containing a replaceable cartridge carrier OF A PERFUMING PRODUCT, ADJUSTABLE POSITION BY AN APPENDIX INTEGRAL WITH THE CARTRIDGE AND OPERABLE FROM THE OUTSIDE OF THE BOX-housing.

Classifications:

International (IPC 8-9): A61L9/12 B60H3/00 (Advanced/Invention);
A61L9/12 B60H3/00 (Core/Invention)

International (IPC 1-7): A61L9/12 B60H3/00



Family:

Publication number	Publication date	Application number	Application date
ES1003027 UA	19880701	ES19870002561U	19870730
ES1003027 Y1	19890201	ES19870002561U	19870730
ES1003027 YA	19890201	ES19870002561U	19870730

Priority:

ES19870002561U 19870730

Probable Assignee: BOLASECA S A
Assignee(s): (std): BOLASECA S A
Assignee(s): BOLASECA SA
Inventor(s): (std): DIOS JUNCA JAVIER

7) Family number: 20584195 (US5788155A)

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Title: Air freshener dispenser device with dual cartridge capacity

Abstract: This invention provides an air freshener dispenser device which consists of twin cartridges which are connected end-to-end with a flexible hinge means. The two cartridges can be folded together and incorporated in a dispensing holder as multiple refill units. Each cartridge is composed of a shallow tray which contains a volatile air freshener medium, and which has its open surface sealed with a coextensive bonded laminate of an inner vapor-permeable membrane and an outer peelable vapor-impermeable membrane. Removal of the peelable vapor-impermeable membrane sealing the two trays allows delivery of the air freshener medium as vapor into the environment at a controlled rate over an extended period of time.

Classifications:

International (IPC 8-9): A61L9/12 (Advanced/Invention);
A61L9/12 (Advanced/Non-Invention);
A61L9/12 (Core/Invention)

International (IPC 1-7): A61L A61L9/12 F17C13/00

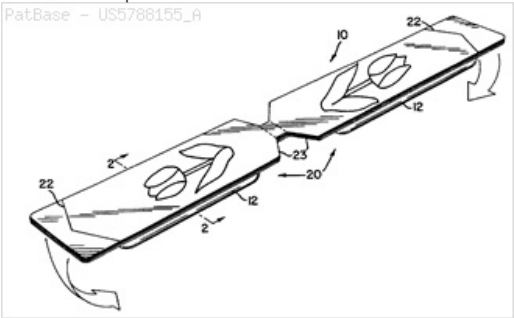
CPC: A61L9/12

European: A61L9/12

US: 239/34

JP F-Term: 4C002 4C002/AA01 4C002/AA06 4C002/BB05 4C002/BB09 4C002/DD13 4C002/EE07 4C002/FF04 4C002/FF07 4C180 4C180/AA02 4C180/AA03 4C180/CA06 4C180/CA09 4C180/EB03 4C180/EB04 4C180/EB06 4C180/EB07 4C180/EB08 4C180/EB12 4C180/EC01 4C180/FF01 4C180/GG10 4C180/HH09 4C180/JJ01 4C180/JJ05

JP F-Index: A61L9/012 A61L9/013 A61L9/12



Family:

Publication number	Publication date	Application number	Application date
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AR007653 AA	19991110	AR1997P102863	19970627
AT204484 E	20010915	AT19970932300T	19970626
AU199735793 A1	19980121	AU19970035793	19970626
AU719319 B2	20000504	AU19970035793	19970626
BRPI9710078 A	19990810	BR1997P110078	19970626
CA2259296 AA	19981229	CA19972259296	19970626
CA2259296 C	20050111	CA19972259296	19970626
CN1138567 C	20040218	CN19971096792	19970626
CN1226177 A	19990818	CN19971096792	19970626
DE69706310 D1	20010927	DE19976006310	19970626
DE69706310 T2	20020314	DE19976006310T	19970626
DK0923386 T3	20011203	DK19970932300T	19970626
EP0923386 A1	19990623	EP19970932300	19970626
EP0923386 B1	20010822	EP19970932300	19970626
ES2161472 T3	20011201	ES19970932300T	19970626
JP2001523119 T2	20011120	JP19980504283T	19970626
JP4149519 B2	20080910	JP19980504283	19970626
KR100352357 B1	20021231	KR19980710711	19970626
KR20000022289 A	20000425	KR19980710711	19970626
NZ333628 A	20000228	NZ19970333628	19970626
US5788155 A	19980804	US19960672799	19960628
WO9800179 A1	19980108	WO1997US11102	19970626
ZA9705683 A	19980123	ZA19970005683	19970626

Priority:

US19960672799 19960628 WO1997US11102 19970626

Probable Assignee: JOHNSON AND SON INC S C

Assignee(s): (std): JOHNSON AND SON INC ; JOHNSON AND SON INC S C ; S C JOHNSON AND SON INC

Assignee(s): MARTIN JOHN ; ROSPLOCK JOSEPH M ; SC JOHNSON AND SON INC

Inventor(s): (std): ROSPLOCK M ; JM ROSPLOCK ; J MARTIN ; JOSEPH M ROSPLOCK ; JOHN MARTIN ; J M ROSPLOCK ; ROSPLOCK JOSEPH M ; MARTIN JOHN ; ROSPLOCK J M ; MARTIN J

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; BERESKIN AND PARR LLP SENCRL SRL

Designated states: AT AU BE BR CA CH CN DE DK ES FI FR GB GR IE IT JP KR LI LU MC MX NL NZ PT SE

8) Family number: 59934268 (ES1141711Y)

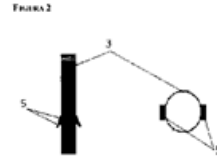
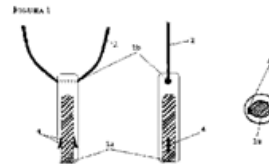
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Title: ACCESORIO DE MODA CON DIFUSOR DE PERFUME

Abstract: Source: ES1141711U [ES] 1. Accesorio de moda con difusor de perfume o colonia formado por un cuerpo principal de madera, un cartucho relleno de la fragancia liquida, y un cordel o cadena. 2. Accesorio de moda con difusor de perfume segun reivindicacion 1 en el que el cuerpo de madera presenta una forma variable y posee dos perforaciones. Una de ellas permite la insercion de un cordel o cadena en su interior. La segunda posibilita la introduccion de un cartucho relleno de perfume o colonia. 3. Accesorio de moda con difusor de perfume segun reivindicacion 1 y 2 en el que el cartucho relleno de perfume o colonia es recargable y/o recambiable y comprende al menos una protuberancia. 4. Accesorio de moda con difusor de perfume segun las reivindicaciones anteriores en el que el cuerpo de madera posee una hendidura en el interior de la perforacion destinada al cartucho de perfume con la forma complementaria a la protuberancia del mismo. **Machine translation:** 1. Fashion accessory diffuser perfume or cologne consists of a main body of wood, a cartridge filled with the fragrance liquid, and a string or chain. 2. Fashion Accessory Perfume diffuser according to claim 1 wherein the timber body has a variable shape and has two perforations. One allows the insertion of a cord or chain inside. The second allows the introduction of a cartridge filled with perfume or cologne. 3. fashion accessory with air freshener according to claim 1 and 2 wherein the cartridge filling perfume or cologne is rechargeable and / or replaceable and comprises at least one protrusion. 4. fashion accessory perfume diffuser according to the preceding claims wherein the timber body has a recess in the interior of the cartridge intended for drilling perfume with complementary shape to the protuberance thereof.

Classifications:

International (IPC 8-9): A45D33/18 (Advanced/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
ES1141711 UA	20150724	ES20150000283U	20150417
ES1141711 Y1	20151020	ES20150000283U	20150417

Priority:

ES20150000283U 20150417

Probable Assignee: GURUNG SANJAYA**Assignee(s):** (std): GURUNG SANJAYA ; LOPEZ GUIMERA CARLOS ; SANCHEZ PEREZ DE LA OLIVA JOSE RAMON**Assignee(s):** CARLOS LOPEZ GUIMERA ; SANJAYA GURUNG ; JOSE RAMON SANCHEZ PEREZ DE LA OLIVA**Inventor(s):** (std): GURUNG SANJAYA ; LOPEZ GUIMERA CARLOS ; SANCHEZ PEREZ DE LA OLIVA JOSE RAMON**Inventor(s):** SANJAYA GURUNG ; JOSE RAMON SANCHEZ PEREZ DE LA OLIVA ; CARLOS LOPEZ GUIMERA**9) Family number: 75041341 (KR20190081647A)**

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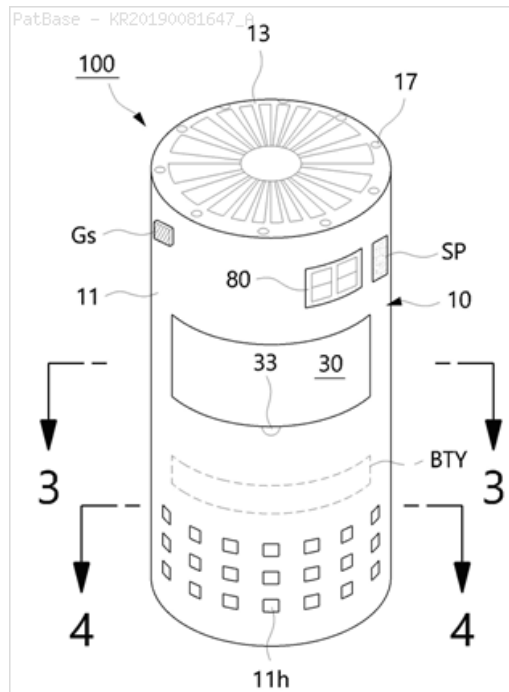
Title: SMART AIR DIFFUSER WITH A BUILT-IN COSENSOR AND AN ALARM DEVICE

Abstract: The present invention relates to a smart air volatilizer having a carbon dioxide sensor and an alarm device to prevent an accident caused by driving while drowsy, wherein the volatilizer comprises an air volatilizer main body including a casing which is a hollow tubular body with an upper surface opened, and has a plurality of first vent holes formed on the outer circumference of a lower end and a first fastening hole formed at an edge portion of an upper end, and a cover member which is arranged at the upper end of the casing, and has a plurality of second vent holes formed at an upper surface, and a plurality of second fastening holes formed at an edge portion; a first filter embedded in the upper end of the casing; a cartridge provided to be inserted into or ejected from the casing through the outer circumference thereof; a solid herb air freshener provided in the cartridge; an air blower located at a lower portion of the solid herb air freshener and embedded in the casing; a second filter embedded in the casing to communicate with the first vent holes; a power supply unit embedded in the casing; a carbon dioxide sensor individually provided in the casing; and a controller provided at the casing to control the power supply unit, the air blower, and the carbon dioxide sensor. Therefore, concentration of carbon dioxide on the inside of a vehicle is measured to diffuse the solid herb air freshener or issue a warning against the drowsiness of a driver to make the driver open the window for ventilation, thereby providing an effect of helping the driver overcome drowsiness to ensure safe driving.

Classifications:**International (IPC 8-9):** B60H1/00 B60H3/00

B60H3/06 (Advanced/Invention)

CPC: B60H3/0035 B60H1/008 B60H1/00985 B60H3/06 B60H2003/0042



Family:

Publication number	Publication date	Application number	Application date
KR102033430 B1	20191017	KR20170184334	20171229
KR20190081647 A	20190709	KR20170184334	20171229

Priority:

KR20170184334 20171229

Probable Assignee:

ECOZERO

Assignee(s): (std):

ECOZERO

Assignee(s):

ECHO CO LTD ZERO

Inventor(s): (std):

KIM YOUN WHAN

10) Family number: 15310548 (US6267297B)

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Title: PROGRAMMABLE DISPENSER

Abstract: A programmable dispenser, especially for dispensing an olfactory stimulating material from a source of the material, is presented. More particularly, the present invention relates to a dispenser for an olfactory stimulating material, such as an air freshener composition, wherein the dispenser can be programmed so as to be operational within a wide variety of operating modes, such as starting and ending operations at specific times during the day, being operational during specific days of the week, and dispensing frequency (i.e., in the case of an aerosol or pump source) and/or intensity (i.e., in the case of a gel or cartridge source).

Classifications:

International (IPC 8-9): A01G27/00 A61L A61L9/12 A61L9/14 A62C11/00 A62C13/62 B01D B01D47/00 B05B B05B1/08 B05B11/00 B05B12/02 B05B15/00 B05B7/30 B05B7/32 B05B9/00 B05B9/04 B65D B65D83/00 B65D83/16 B67D5/08 B67D5/24 B67D5/38 B67D5/64 F16T F16T1/00 G04C G04C23/00 G04C23/42 G08B G08B1/00 (Advanced/Invention); A61L9/12 A61L9/14 B05B11/00 B05B12/00 B65D83/16 (Core/Invention)

International (IPC 1-7): A01G2/700 A01G27/00 A61L9/12 A61L9/14 A62C11/00 A62C13/62 B01D47/00 B05B1/08 B05B1/700 B05B12/02 B05B15/00 B05B17/00 B05B7/30 B05B7/32 B05B9/00 B05B9/04 B65D83/00 B65D83/16 B67D5/08 B67D5/24 B67D5/38 B67D5/64 F16T1/00 G04C23/00 G04C23/42 G08B1/00

CPC: A61L9/12 A61L9/122 A61L9/14 B05B11/30 B05B11/3052 B05B12/02 B65D83/262

European: A61L9/12 A61L9/12F A61L9/14 B05B11/30H3 B05B12/02 B65D83/26B L05B11/30

US: 222/646 222/649 239/1 239/326 239/333 239/337 239/69 239/70 239/71 239/99

Publication number	Publication date	Application number	Application date
AU200080094 A1	20010423	AU20000080094	20001011
AU200080094 A5	20010423	AU20000080094D	20001011
AU752399 B2	20020919	AU20000080094	20001011
CA2385089 AA	20020315	CA20002385089	20001011
CA2385089 C	20030527	CA20002385089	20001011
CN1210682 C	20050713	CN20008013870	20001011
CN1379619 A	20021113	CN20008013870	20001011
EP1225796 A1	20020731	EP20000970766	20001011
EP1225796 A4	20030205	EP20000970766	20001011
HK1049585 A1	20051028	HK20030101841	20030314
HK1049585 B	20051028	HK20030101841	20030314
US6267297 BA	20010731	US19990415840	19991012
WO0126448 A1	20010419	WO2000US28055	20001011

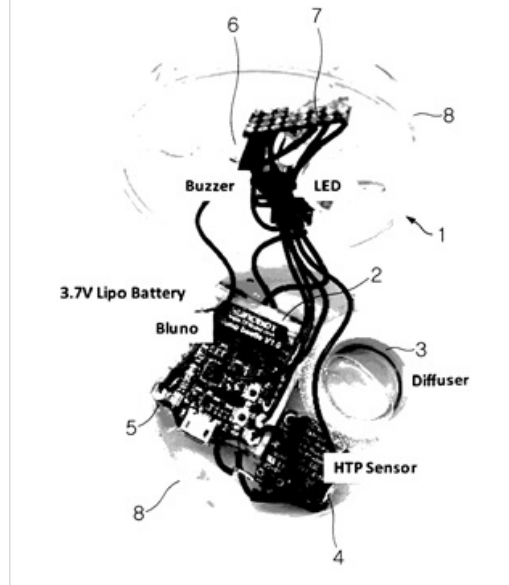
US19990415840 19991012 WO2000US28055 20001011

Assignee(s): (std): WATERBURY COMPANIES INC : WATERBURY CO INC

Inventor(s): (std): JOHN J DEAN ; NICHOLAS A VELEZIS ; CARL D CONTADINI ; DEAN JOHN J ; VELEZIS NICHOLAS A ; CONTADINI CARL D

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

US: 1/1 239/72

**Family:**

Publication number	Publication date	Application number	Application date
KR101861344 B1	20180629	KR20150163485	20151120
KR20170059292 A	20170530	KR20150163485	20151120
US2017143864 AA	20170525	US20160354310	20161117

Priority:

KR20150163485 20151120

Probable Assignee: UNIST ULSAN NATIONAL INST OF SCIENCE AND TECHNOLOGY**Assignee(s):** (std): UNIST ULSAN NAT INSTITUTE OF SCIENCE AND TECHNOLOGY ; UNIST ULSAN NAT INST OF SCIENCE AND TECHNOLOGY**Assignee(s):** UNIST ULSAN NATIONAL INSTITUTE OF SCIENCE AND TECHNOLOGY ; UNIST ULSAN NATIONAL INST OF SCIENCE AND TECHNOLOGY ; UNIST ULSAN NATIONAL INSTITUTE OF SCIENCE AND TECHNOLOGY**Inventor(s):** (std): KIM JIN SUNG ; KIM KWAN MYUNG ; PARK YOUNG WOO ; LIM JI HYUN ; AHN YOON KI ; KIM CHA JOONG**12) Family number: 61307772 (USD772390S)**

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Title: DIFFUSER

Abstract: Source: JP1543384S **Machine translation:** Pertaining to the design of the case is that in order to spread the fragrance of perfume around the aromatic diffuser. [Front] and [plan] to structure to spread the scent cartridge, shown in front of the capsule and dimples, wherein part contained the air freshener, to rotating blower fan inside.Gray represented on surface of each figure is on to identify any solid surface.

Classifications:**US:** D23/366**Locarno class:** 23/04 28/99**Family:**

Publication number	Publication date	Application number	Application date
CN303543737 S	20160106	CN201530286174F	20150803

JP1543384 S	20160208	JP20150017179F	20150731
USD772390 S1	20161122	US20150534777F	20150731

Priority:

EM20152625020F 20150202

Probable Assignee: PRESENSIA
Assignee(s): (std): PRESENSIA
Assignee(s): ????? CO ; PRESENCE
Inventor(s): (std): DIETRICH EMMANUEL
Agent(s): FREDRIKSON AND BYRON PA

13) Family number: 77363792 (IN201811026290A)

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Title: VIBRATION TRIGGERED AIR FRESHENER

Abstract: A vibration triggered air freshener (100) is disclosed. The vibration triggered air freshener (100) comprises a first unit (50) which includes a vibration sensor, a motor (50c) and a controller (50a). The controller (50a) is coupled to the motor (50c) and the vibration sensor. The vibration triggered air freshener (100) includes a second unit (60) which is placed below the first unit (50). The second unit (60) includes a diffusion means (60a) and a perfume cartridge (60b). The diffusion means (60a) is coupled to the motor (50c). The vibration triggered air freshener (100) includes a diffuser housing (30) which encloses the second unit (60). The diffuser housing (30) includes a plurality of vents (70). The controller (50a) receives vibrational input from the vibration sensor. The controller (50a) controls the operation of the motor (50c) which controls the diffusion means (60a) leading to release of perfume.

Classifications:

International (IPC 8-9): A61L D06F F02P (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
IN201811026290 A	20200117	IN201811026290	20180713

Priority:

IN201811026290 20180713

Assignee(s): KAPOOR GAURAV ; KAPOOR SAURABH
Inventor(s): KAPOOR SAURABH ; KAPOOR GAURAV

14) Family number: 45548835 (DE202011005167U1)

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Title: Muenzhalter

Abstract: Source: DE202011005167U1 [DE] Verbesserter Muenzhalter, bestehend aus einem Koerper (10) mit der Form eines Parallelepiped, mit Oberseite (100) und Unterseite (101), grundsaeztlich flach, und seitliche Flaechen (102) die sich anhand folgender Besonderheit kennzeichnen: – An diesem Koerper sind Hohlraeume vorgesehen (11), grundsaeztlich zylinderfoermig, fuer die Aufbewahrung von Muenzen. Diese verlaufen senkrecht von der Ober- zur Unterseite des Koerpers, haben eine grundsaeztlich runde Muendung (110, ueber die die Muenzen eingefuehrt werden; – Diese Hohlraeume (11) sind mit einer Rueckwand (111) in Form eines Plaettchens versehen, dessen Aufgabe es ist, im Inneren des Zylinders auf und ab zu gleiten, wenn man gegen die Rueckwand des Hohlraums auf der Koerperunterseite drueckt; – Auf der seitlichen Flaechen (102) sind Ausbuchtungen fuer die Anbringung von Werbeträgern (2) vorgesehen (1020); und – Der Koerper des Muenzhalters (10) ist so hergestellt, dass er Duft absondert.

Classifications:

International (IPC 8-9): A45C1/02 A45C1/10 B65D83/00 G07D11/00 G07D9/00 G07F9/00 G09F23/00 (Advanced/Invention)

CPC: G09F23/02 A45C1/10 A45C2001/102 G07D9/06 G09F2023/0025

European: A45C1/10 G07D9/06 G09F23/02 K45C1/10R S09F23/00C

JP F-Term: 3B045 3B045/BA02 3B045/DA45 3B045/EA02 3B045/LA01 3B045/LA10

JP F-Index: A45C1/02/F

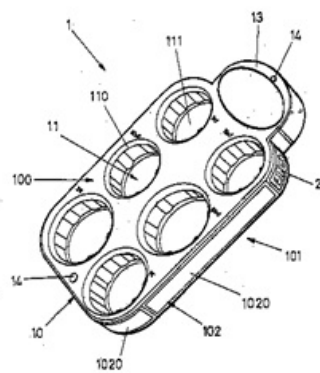


FIG.1

6/17

Family:

Publication number	Publication date	Application number	Application date
AU2011100406 AD	20110512	AU20110100406	20110412
BRMU9100687 U2	20121127	BR2011MU00687U	20110411
CN202306694 U	20120704	CN201120105860U	20110412
DE202011005167 U1	20110714	DE201120005167U	20110412
ES1072296 UA	20100622	ES20100000341U	20100412
ES1072296 Y1	20100916	ES20100000341U	20100412
FR2958775 A3	20111014	FR20110053142	20110411
FR2958775 B3	20120406	FR20110053142	20110411
ITMI20110116 U1	20111013	IT2011MI00116U	20110411
JP3169765 U	20110818	JP20110001992U	20110411
PL119909 A1	20111024	PL20110119909	20110408
PL119909 U1	20111024	PL20110119909U	20110408
PL66433 Y1	20130329	PL20110119909U	20110408

Priority:

ES20100000341 20100412 ES20100000341U 20100412

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Inventor(s): ANTONIO RODRIGUEZ PEREZ

Agent(s): BAXTER IP; BAXTER PATENT ATTORNEYS PTY LTD; CABINET YVES DEBAY