

Diego Gonzalez

1) Family number: 3243706 (US5065776A)

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Title: Cigarette with tobacco/glass fuel wrapper

Abstract: Disclosed are smoking articles, such as cigarettes, which include a short, i.e., about 9 mm long carbonaceous fuel element positioned in a heat exchange relationship with a physically separate aerosol generating means. Surrounding the fuel element is a tobacco/glass insulating wrapper, preferably comprising at least four layers, defined from the periphery of the fuel element as: (1) a first layer of glass fibers; (2) a first tobacco-containing sheet; (3) a second layer of glass fibers, and (4) a second tobacco-containing sheet.

Classifications:

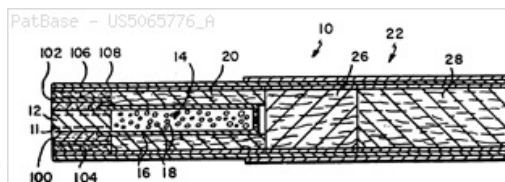
International (IPC 8-9): A24B15/16 A24D1/00 A24D1/02 A24D1/04 A24D1/18 A24F47/00 A61M15/06 D21H27/00 (Advanced/Invention); A24D1/00 (Advanced/Non-invention); A24B15/00 A24D1/00 A24F47/00 A61M15/06 D21H27/00 (Core/Invention)

International (IPC 1-7): A24B A24B15/00 A24B15/16 A24B15/28 A24B3/12 A24D A24D1/00 A24D1/02 A24D1/04 A24D1/18 A24D3/00 A24F A24F47/00 A24F47/00 A24F7/00 A61M15/06 D21H27/00

CPC: A24B15/165 A24D1/02 A24F47/004

European: A24B15/16K A24D1/02 A24F47/00B2

US: 131/194 131/365



Family:

Publication number	Publication date	Application number	Application date
AT141040 E	19960815	AT19910114127T	19910823
AU199183469 A1	19920305	AU19910083469	19910828
AU633793 B2	19930204	AU19910083469	19910828
BG62548 B2	20000229	BG19910095033	19910826
BRPI9103329 A	19920526	BR1991PI03329	19910802
CA2047358 AA	19920301	CA19912047358	19910718
CA2047358 C	19951219	CA19912047358	19910718
CA2048143 AA	19920301	CA19912048143	19910730
CN1030277 C	19951122	CN19911005363	19910730
CN1059265 A	19920311	CN19911005363	19910730
CN1059266 A	19920311	CN19911005535	19910807
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DE69121231 T2	19970306	DE19916021231T	19910823
DK0481192 T3	19961223	DK19910114127T	19910823
ECSP910768 A	19920525	EC1991SP00768	19910719
EG19459 A	19950830	EG19910000507	19910819
EP0476349 A2	19920325	EP19910114126	19910823
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EP0481192 B1	19960807	EP19910114127	19910823
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FI93603 C	19950510	FI19910004046	19910828
GR3021144 T3	19961231	GR19960402510T	19960925
HK1000655 A1	19980417	HK19970102234	19971124
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HU58485 A2	19920330	HU19910002785	19910826
HU9102785 A0	19920128	HU19910002785	19910826
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IE912404 A1	19920311	IE19910002404	19910709
IL98772 A0	19920715	IL19910098772	19910709
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LV10373 B	19950620	LV19930000838	19930630

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RU1836038 C	19930823	SU19915001424	19910828
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SU1836037 A3	19930823	SU19915001341	19910827
SU1836038 A3	19930823	SU19915001424	19910828
US5065776 A	19911119	US19900576751	19900829
US5105837 A	19920421	US19900574327	19900828
ZA9105427 A	19920429	ZA19910005427	19910711

Priority:

US19900574327 19900828 US19900576751 19900829 CA19912047358 19910718
CA19912048143 19910730 YU19910001424 19910819 YU19910001424 19910819

Probable Assignee: R J REYNOLDS TOBACCO CO

Assignee(s): (std): JAPAN TOBACCO INC ; REYNOLDS TOBACCO CO R

Assignee(s): RJREYNOLDS TOBACCO CO ; RJ REYNOLDS TOBACCO CO ; R J REYNOLDS TOBACCO CO WINSTON SALEM N C US ; REYNOLDS TOBACCO COMPANY R J ; WILLIAM JAMES ; RJ REYNOLDS TOBACCO COMPANY NORTH CAROLINA ; R J REYNOLDS TOBACCO COMPANY ; REYNOLDS R J TOBACCO COMPANY ; REYNOLDS RJ TOBACCO CO ; REYNOLDS R J TOBACCO CO ; RJ REYNOLDS TOBACCO CO NORTH CAROLINA ; RDZHREJNOLDS TOBAKKO KOMPANI ; REYNOLDS TOBACCO CO RJ ; LAWSON JERRY W ; JPMORGAN CHASE BANK NA COLLATERAL AGENT AS ; R J REYNOLDS TOBACCO CO A CORP OF NJ ; R J REYNOLDS TOBACCO CO US ; R J REYNOLDS TOBACCO CO EINE GESELLSCHAFT N D GES D STAATES NEW JERSEY WINSTON SALEM N C US ; KASBO LOYD G ; MORGAN BENJI D ; LAWSON JERRY WAYNE ; BARNES RUSSELL D ; BRIGHENTI PETER E ; CARTWRIGHT WILLIAM F ; CASEY WILLIAM J III ; CASEY WILLIAM JAMES III ; DIGRIGOLI CARMEN P ; HUTCHISON KELLY K ; R J REYNOLDS TOBACCO CO ; JP MORGAN CHASE BANK ; JPMORGAN CHASE BANK NA ; R J REYNOLDS TOBACCO CO EINE GESELLSCHAFT N D GES ; R DZH REJNOLDS TOBAKKO KOMPANI

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

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

2) Family number: 11305548 (AU767799B)

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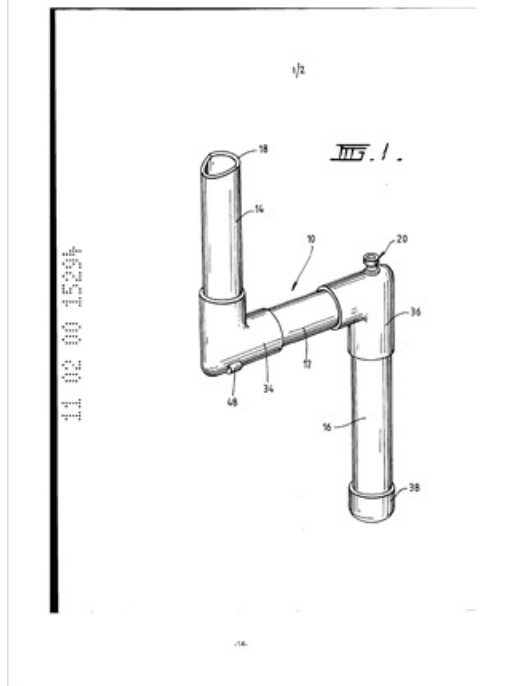
Title: Water pipe

Abstract: Smoking apparatus in the form of a water pipe 10 has a generally S-shaped internal passage for smoke passing from a burner 20, in which combustible material such as tobacco is burnt, through a tube 28 communicating with the burner 20, and through water 30 located in a lower section (16, 38) of the pipe. The general S-shape, with its two bends (36, 34), facilitates the condensation, on internal surfaces of the passage, of water vapour which may accompany the smoke, and which is thought to have an adverse effect upon the health of a smoker. An additional condensation means in the form of a dam 32 may be located in the passage, at or near the second bend and extend half-way across the passage. A second dam 24 may be provided at or near the first bend (36) in the passage, to prevent water (30) from passing the first bend 9. The pipe (10) may be formed from a first straight section of PVC conduit (16) terminated at one end by a cap which section is in use adapted to contain water a first 900 elbow a section straight section a second 900 elbow and a third straight section the open end (18) of which is used as a mouthpiece. Supports (48) may be provided to stabilise the water pipe (10) when it is placed on a flat surface.

Classifications:

International (IPC 8-9): A24F1/02 (Advanced/Invention);
A24F1/00 (Core/Invention)

International (IPC 1-7): A24F1/02

**Family:**

Publication number	Publication date	Application number	Application date
AU200015294 A1	20000817	AU20000015294	20000211
AU200015294 A5	20000817	AU20000015294D	20000211
AU767799 B2	20031127	AU20000015294	20000211
AU865499 A0	19990311	AU1999PP08654	19990212

Priority:

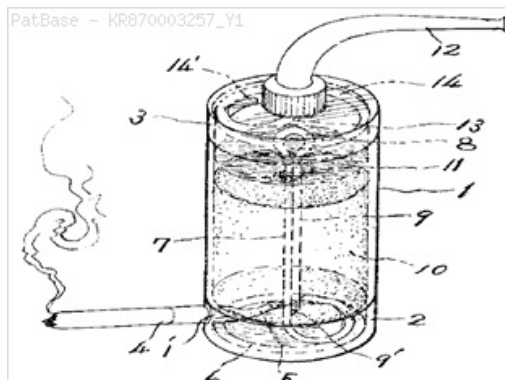
AU1999PP08654 19990212 AU20000015294 20000211

Probable Assignee: UNDERWOOD D J**Assignee(s):** (std): DAVID JAMES UNDERWOOD ; UNDERWOOD D J ; UNDERWOOD DAVID JAMES**Inventor(s):** (std): UNDERWOOD DAVID JAMES**Inventor(s):** DAVID JAMES UNDERWOOD**Agent(s):** JOHN CHRISTIANSEN**3) Family number: 16157390 (KR870003257Y)**

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Title: TOXIC-SMOKE ABSORPTION FILTER

Abstract: Source: KR870003257Y **Machine translation:** [Source: claim 1] **1.** Cylindrical body (1) connected to the inlet of the lower cap (2), (5), the stage 1' regions to form an annular pipe (6), its front end upwardly curved pipe 8, the standpipe standpipe (9) to form the bottom perfume hole 9' end opening them, direct dial number of sponge sandwiched between the ball (11) to (10) cap (2) and exit at the bottom of the body 1 to the upper cap (3) in the end of the root 12, and its front end of heavy rains 13 connecting the front end of the pipe 14, 14' formed opening hole to the injection of water in the body (1), (3) body (1) to the sangkaep smoking device configured hayeoseo exit.

Classifications:**International (IPC 8-9):** A24F1/00 (Advanced/Invention); A24F1/00 (Core/Invention)**International (IPC 1-7):** A24F1/00**Family:**

Publication number	Publication date	Application number	Application date
KR870003257 Y1	19871006	KR19850002878U	19850321

Priority:

KR19850002878U 19850321

Probable Assignee:

PARK CHONG IL

Assignee(s): (std): PARK CHONG IL
Inventor(s): (std): PARK CHONG IL

4) Family number: 17374368 (CN2159106Y)

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Title: Pipe with a filter

Abstract: The utility model relates to a pipe with a filter, which is composed of a bucket body, a cap body and a handle. A spring sheet (9) is arranged on the lower end of the cap body; a plunger (11) is arranged on the upper part of the cap body; the plunger is engaged and disengaged with the end opening of a flue (6); the upper end of a smoke passing pipe (12) is inserted into the lower end face of the cap body and is communicated with a chamber cavity (10); the lower end of the smoke passing pipe is connected with a cavity (4); one end of a soft tube (15) is communicated with the flue (7) and the other end of the soft tube is provided with a floating ball (16); the port of the soft tube is communicated with the cavity (4); a filter core (17) is arranged in the flue (7). When is used, the cavity is filled with right amount of water and the end opening of the smoke passing pipe is in the water; the upper opening of the soft tube is on the water level owing to the action of the floating ball. The smoke is double filtered by the water and the filter core when smoking, and harm to the human body caused by harmful matters can be reduced.

Classifications:

International (IPC 8-9): A24F1/30 (Advanced/Invention);

A24F1/00 (Core/Invention)

International (IPC 1-7): A24F1/30

Family:

Publication number	Publication date	Application number	Application date
 CN2159106 Y	19940323	CN19932033560U	19930327

Priority:

CN19932033560U 19930327

Probable Assignee: ZHANG YONGXIN

Assignee(s): (std): ZHANG YONGXIN

Inventor(s): (std): YONGXIN ZHANG

Inventor(s): ZHANG YONGXIN

5) Family number: 32253379 (DE202005009094U1)

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Title: METAL SIEVE FOR USE ON HEAD OF WATER PIPE, COMPRISING PERFORATED CENTER AND FOLDABLE EDGES

Abstract: The sieve (11) is made of a thin metal foil and is of a rectangular shape. A central area (12) is separated by a circular line (17) and provided with a multitude of holes (16). For use the sieve (11) is placed on top of the pipe head with the circular line (17) used for a correct positioning and the surrounding material (14) bent downwards. The item (11) can be disposed of after use. Several of the flat sieves (11) can be stored and transported in a rectangular container of an appropriate size and fitted with a hinged lid.

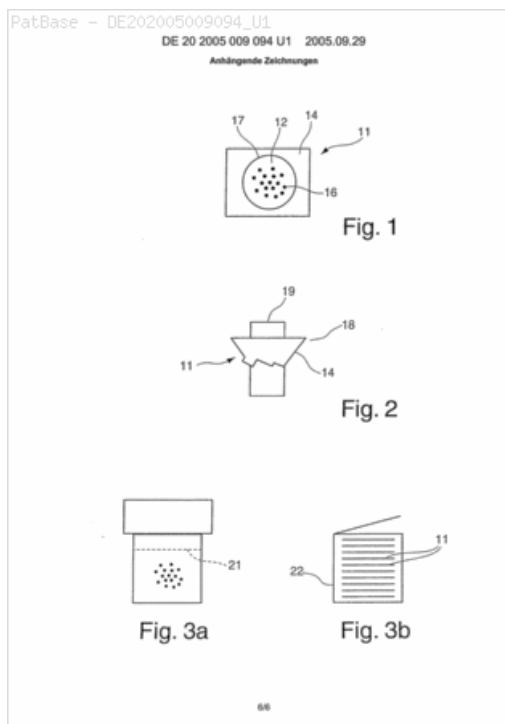
Classifications:

International (IPC 8-9): A24F1/30 (Advanced/Invention);

A24F1/00 (Core/Invention)

International (IPC 1-7): A24F1/30

CPC: A24F1/30



Family:

Publication number	Publication date	Application number	Application date
 DE202005009094 U1	20050825	DE200520009094U	20050609

Priority:

DE200520009094U 20050609

Probable Assignee: GEBERT ANDREAS

Assignee(s): (std): GEBERT ANDREAS ; HILBIG THILO

Title: HOOKAH WITH SIMPLIFIED LIGHTING

Abstract: The invention relates to a hookah comprising a filter bottle (1) provided with a suction outlet (10), a bowl (21) designed to contain a combustible mix (M) to be smoked, and a plunger tube (22) connecting the bowl (21) inside the bottle (1) and dipping into the water contained in the bottle to filter the descending smoke. The hookah according to the invention also comprises a supporting structure (3), an energy source (4), and a heat generator (5), the supporting structure (3) holding the bottle (1), the energy source (4) and the heat generator (5) in a relatively stable position, and the heat generator (5) being located above the bowl (21) and supplied with the energy source (4) during use to heat the combustible mix (M) to a suitable heating temperature.

Classifications:

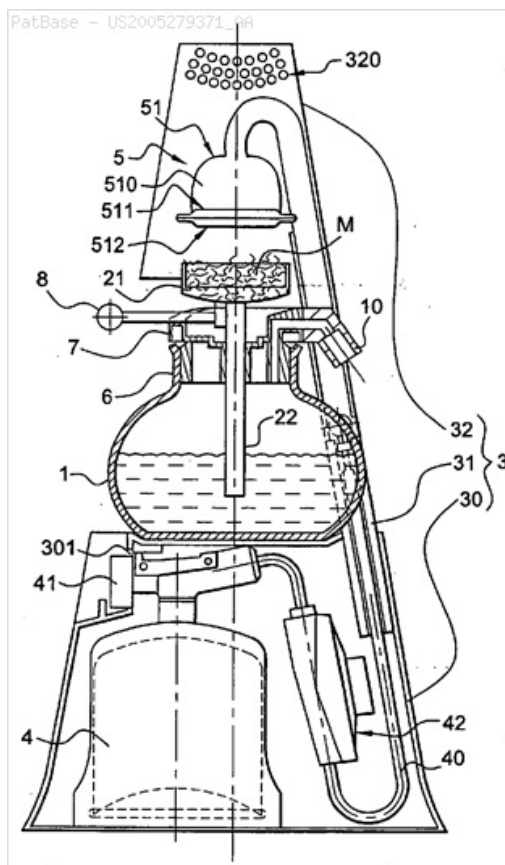
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A24F1/00 (Core/Invention)

International (IPC 1-7): A24F1/30 A24F3/00 A24F47/00

CPC: A24F1/30

European: A24F1/30

US: 131/185



Family:

Publication number	Publication date	Application number	Application date
EP1604578 A1	20051214	EP20050291196	20050603
FR2871344 A1	20051216	FR20040006287	20040610
FR2871344 B1	20070105	FR20040006287	20040610
JP2005348734 A2	20051222	JP20050171080	20050610
US2005279371 AA	20051222	US20050148194	20050609

Priority:

FR20040006287 20040610

Probable Assignee: SHISHAMANIA INT

Assignee(s): (std): BILLARD GEORGES ; CHAOUACHI KAMAL ; DE LA GIRAUDIERE ANNE PHILIPPE ; SHISHAMANIA INT ; SHISHAMANIA INT SARL ; SHISHAMANIA INTERNAT ; SHISHAMANIA INTERNAT SARL

Assignee(s): SHISHAMANIA INTERNATIONAL ; SHISHAMANIA INTERNATIONAL SOCIETE A RESPONSABILITE LIMITEE ; SHISHAMANIA INTERNATIONAL SOCIETE A RESPONSABILITE ; SHISHAMANIA INT SOC A RESPONSABILITE LIMITEE

Inventor(s): (std): BILLARD GEORGES ; CHAOUACHI KAMAL ; DE LA GIRAUDIERE ANNE PHILIPPE

Agent(s): YOUNG AND THOMPSON

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Title: Nargile - oriental tobacco water pipe for smoking cured tobaccos

Abstract: A smoking apparatus comprising of an appliance with a pipe bowl to serve as a smoking pipe with means for controlling the thermal conduction around the said pipe bowl, with means for communicating with a layer of water in a releaseably attached liquid-containing receptacle, with means for passage of the outgoing smoke to enter a filtering element removing moisture from the liquid-filtered smoke, which is then drawn into a flexible conduit for smoker's use. The invention takes into account the physical phenomena of the two contrasting filtration processes and to bring them to a balance. All parts thereof are synchronized for integrating the various functions into one result; to produce a tobacco smoke which is "clean", "sweat", "cool", "dry" without a "bite". The smoker can, without tedious encumbrances change and replace parts that draw contaminants. The invention is an improvement of the centuries old nargile and would serve the needs of the large

population, who in contemporary living, stay home for work and pleasure.

Classifications:

International (IPC 8-9): A24F1/30 (Advanced/Invention);

A24F1/00 (Core/Invention)

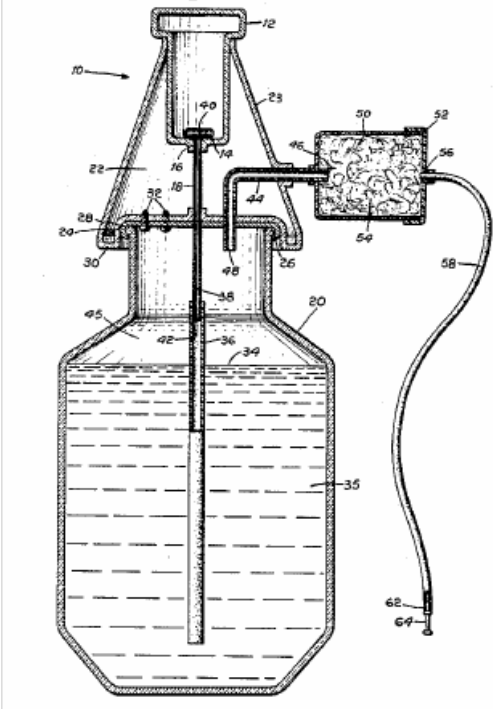
International (IPC 1-7): A24F1/30

CPC: A24F1/30

European: A24F1/30

US: 131/173

PatBase - US4648410_A



Family:

Publication number	Publication date	Application number	Application date
US4648410 A	19870310	US19850756590	19850822

Priority:

US19850756590 19850822

Probable Assignee:

SEROUSSI HENRY I

Assignee(s): (std):

SEROUSSI HENRY I

Inventor(s): (std):

SEROUSSI HENRY I

8) Family number: 32717700 (CN2750680Y)

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Title: Water bottle nozzle for depurating gas of smoking

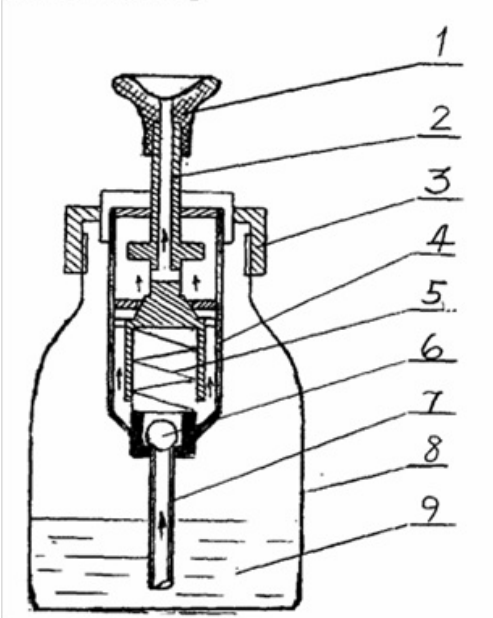
Abstract: The utility model discloses a water bottle nozzle for depurating gas of smoking, which relates to a smoking appliance. The upper end of a movable circular pipe is provided with a nozzle (1) and the lower end is provided with a spring (5); a cap nut (3) is sheathed on the bottle mouth and is fixed with the movable circular pipe (2); the lower part of the movable circular pipe (2) is arranged in a sleeve barrel (4) with the spring (5) and a sphere (6), and a suction pipe (7) is arranged on the lower end of the sleeve barrel (4). The utility model is characterized in that the nozzle (1) has a circular table shape or a circular shape. When the people smoke, as long as a filter tip is inserted into the nozzle (1) and is lightly pressed, the nozzle (1) drives and connects the movable circular pipe (2) and the spring (5) to be compressed, and adding fluid (9) is sprayed upwards through the inner cavity of the sleeve barrel (4) and the movable circular pipe. The filter tip has the adding fluid, which causes the adding fluid to make the dissolution reaction on the smoke gas and medicines in the smoking process to leave the harmful substances, such as tar, nicotine, etc. in the filter tip. The harmful ingredient is cleared, which is in favor of the health smoking.

Classifications:

International (IPC 8-9): A24F13/04 (Advanced/Invention);

A24F13/00 (Core/Invention)

PatBase - CN2750680_Y



Family:

Publication number	Publication date	Application number	Application date
 CN2750680 Y	20060111	CN200420013925U	20041015

Priority:

CN2004103925U 20041015 CN200420013925U 20041015

Probable Assignee: QIU XIXIAN

Assignee(s): (std): QIU XIXIAN

Inventor(s): (std): QIU XIXIAN

Inventor(s): XIXIAN QIU

9) Family number: 42483187 (CN100591227C)

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Title: Portable valve-controlled type water tobacco pipe and using method thereof

Abstract: The invention discloses a portable valve-regulated water pipe and a using method thereof in which the pipe utilizes replaceable stored water to filter the tar in the smoke. The portable valve-regulated water pipe and the using method thereof are characterized in that: the pipe is made of non-toxic plastic and light metal and comprises a valve-regulated smoking component connected with a water-storing component. The valve-regulated smoke absorption component is regulated by three types of valves, namely, a radial thread valve, a rotary valve and a plunger valve. A sealing device can either be O-shape rubber ring type or valve spool type. When used or carried, an inlet-and-outlet valve hole of the valve-regulated smoking component can be opened or closed. When clean water needs to be filled, a bucket lid of the water-storing component can be twisted off. The O-shape rubber ring and valve spool are for preventing the stored water from leaking outside. The portable valve-regulated water pipe and the using method thereof have six embodiments and have the advantages of small volume, light weight, low cost and portability. And the pipe can be used for smoking cigarette, cigar and home made tobacco and for eliminating bitterness and protecting the health of the smoker; therefore the pipe can be widely applicable to smokers.

Classifications:

International (IPC 8-9): A24F1/30 A24F13/04 (Advanced/Invention);
A24F13/00 (Core/Invention)

PatBase - CN100591227_C

20061009881.9

说明书附图

第1/6页

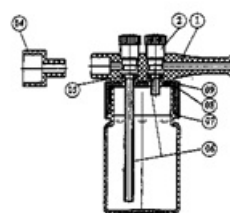


图 1-1



图 1-2

图 1

9

Family:

Publication number	Publication date	Application number	Application date
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 CN101233956 A	20080806	CN200810009881	20080216

Priority:

CN200810009881 20080216

Probable Assignee: ZHENGWEI QIU

Assignee(s): (std): ZHENGWEI QIU

Assignee(s): QIU ZHENGWEI

Inventor(s): (std): ZHENGWEI QIU

Inventor(s): QIU ZHENGWEI

Agent(s):

10) Family number: 49158092 (US2011162667A)

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Title: TOBACCO SMOKE FILTER FOR SMOKING DEVICE WITH POROUS MASS OF ACTIVE PARTICULATE

Abstract: A tobacco smoking device comprises a porous mass of active particles adapted to enhance a tobacco smoke flowing over said active particles and binder particles. The active particles comprises about 1-99 percent weight of the porous

mass, and the binder particles comprises about 1-99 percent weight of said porous mass. The active particles and said binder particles are bound together at randomly distributed points throughout the porous mass. The active particles have a greater particle size than the binder particles.

Classifications:

International (IPC 8-9): A24B15/28 A24B15/42 A24D1/04 A24D3/00 A24D3/02 A24D3/04 A24D3/06 A24D3/08 A24D3/10 A24D3/12 A24D3/14 A24D3/16 A24F13/22 A24F47/00 B01D27/00 C08J9/24 D04H1/407 D04H1/54 (Advanced/Invention); A24D3/06 (Core/Invention); A24D3/10 (Core/Non-invention)

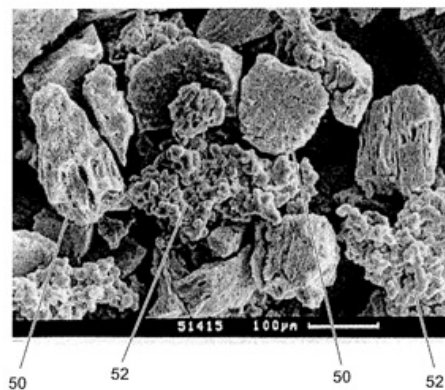
International (IPC 1-7): A24F47/00

CPC: A24B15/286 A24D3/16 A24D3/163 A24D3/14 A24D3/062 A24D3/066 A24D3/08 D04H1/407

European: A24B15/28D2 A24D3/06D A24D3/06D4 A24D3/08 A24D3/12 A24D3/16 A24D3/16B D04H1/407

US: 1/1 131/331 131/331S 131/332 131/334 131/342 131/342S 264/126 264/126S 521/142 521/142S 521/79 521/79S

PatBase - US2011162667_AA



Family:

Publication number	Publication date	Application number	Application date
AR080635 AA	20120425	AR2011P100036	20110106
BR112013008364 A2	20160614	BR20131108364	20110715
CA2813575 AA	20120426	CA20112813575	20110715
CA2813575 C	20160621	CA20112813575	20110715
CL2013000936 A1	20140328	CL20130000936	20130405
CL56972 B	20190129	CL20130000936	20130405
CN103209606 A	20130717	CN201180054836	20110715
CO6710947 A2	20130715	CO20130112550	20130506
EA025010 B1	20161130	EA20130090508	20110715
EA027288 B1	20170731	EA20130000833	20110715
EA201300833 A1	20140331	EA20130000833	20110715
EA201390508 A1	20140331	EA20130090508	20110715
ECSP13012605 A	20150331	EC2013SP12605	20130506
EP2629633 A1	20130828	EP20110834774	20110715
EP2629633 A4	20140416	EP20110834774	20110715
EP2636319 A2	20130911	EP20130168042	20110715
EP2636319 A3	20140312	EP20130168042	20110715
IN03476CN2013 A	20160610	IN2013CN03476	20130502
JP2014509833 T2	20140424	JP20130532798T	20110715
JP5901641 B2	20160413	JP20130532798T	20110715
KR101520198 B1	20150513	KR20137011521	20110715
KR20130101076 A	20130912	KR20137011521	20110715
MX2013003940 A1	20130628	MX20130003940	20110715
MX342775 B	20161011	MX20130003940	20110715
MY160735 A	20170315	MY20130001220	20110715
SG10201501526W A1	20150429	SG20151001526	20110715
SG189267 A1	20130531	SG20130025192	20110715
TH142633 A	20150827	TH20131001917	20110715
TW2011138657 A	20111116	TW20110100325	20110105
UA108670 C2	20150525	UA20130005593	20110715
US2011162667 AA	20110707	US20100981909	20101230
US2013239983 AA	20130919	US20130857582	20130405
US2014007893 AA	20140109	US20110878041	20110715
US9386803 BB	20160712	US20100981909	20101230
WO11084907 A1	20110714	WO2011US20013	20110103
WO12047346 A1	20120412	WO2011US43264	20110707
WO12047347 A1	20120412	WO2011US43268	20110707
WO12047348 A1	20120412	WO2011US43269	20110707
WO12047349 A1	20120412	WO2011US43271	20110707
WO12054111 A1	20120426	WO2011US44142	20110715

Priority:

US20100292530P 20100106	US20100390211P 20101006	US20100390213P 20101006
US20100981909 20101230	US20100981989 20101230	WO2011US20013 20110103
US20110504023P 20110701	WO2011US43269 20110707	EP20110834774 20110715
WO2011US44142 20110715	US20110878041 20110715	US20130857582 20130405

Probable Assignee: ACETATE INT LLC

Assignee(s): (std): BURKE PETER ; CELANESE ACETATE LLC ; CELANESE INT CORP ; GUSIK MEINHARD ; JIMENEZ LUIS ; HUFEN JULIA ; ROBERTSON RAYMOND ; SRINIVASAN RAMESH ; JIMINEZ LUIS

Assignee(s): HALLIBURTON ENERGY SERVICES INC ; ACETATE INT LLC

Inventor(s): (std): JIMINEZ LUIS ; GUSIK MEINHARD ; SRINIVASAN RAMESH ; ROBERTSON RAYMOND ; GUSIK MEINHARD ; HUFEN JULIA ; BURKE PETER ; JIMENEZ LUIS

Inventor(s): LUIS JIMENEZ ; RAYMOND ROBERTSON ; MEINHARD GUSIK ; PETER BURKE ; JULIA HUFEN ; RAMESH SRINIVASAN

Agent(s): SMART AND BIGGAR; SARGENT AND KRAHN; LUZ CLEMENCIA DE PAEZ; LAHRTZ FRITZ; YAMASAKI YUKUZO; AKAMATSU TOSHIKI; DREW AND NAPIER LLC; MCDERMOTT WILL AND EMERY LLP; HAMMER ROBERT H III ET AL; JORDAN CAREY C; KAISER IONA N

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU

11) Family number: 42312166 (JP3074770U)

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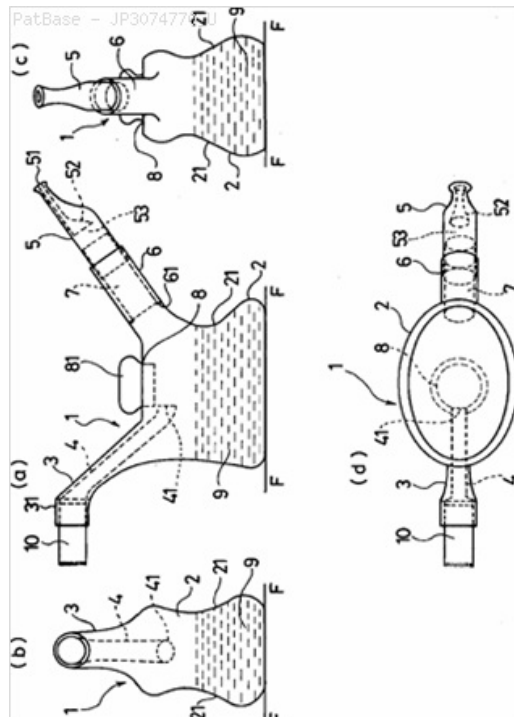
Title: Yosui cigarette pipe (Machine translation)

Abstract: Source: JP3074770U

Machine translation: [summary] The effect of a certain water pipe can be obtained even if used repeatedly Always [challenge], get a water pipe cigarette less frequent exchange of water and filter. cigarette-shaped pipe having an opening that can be plugged into the cigarette front end is projected upwards and diagonally in front underside sealed container means [resolution] The internal cavity having a substantially flat, the front side of the top of the container and smoke evacuation tube and pipe, pipe-shaped having an opening at the rear end is projected obliquely upward after the rear side of the top of the container, filling port and a removable lid with an opening in the upper container, the front end portion and the introduction of pipe-shaped pipe having an opening at the rear end stretched to a position above the opening in the container in communication with the front end of the cigarette pipe, at the rear end and front end portion is detachable rear end portion of the smoke evacuation tube with mouthpiece and mouthpiece has been formed, and a smoke evacuation nozzle are provided continuously extending in substantially reverse funnel-shaped mouthpiece forward and downward in the sucking mouth, the space filter that can be loaded into the smoke evacuation tube water pipe has a cigarette.

Classifications:

International (IPC 1-7): A24F1/30



Family:

Publication number	Publication date	Application number	Application date
JP3074770 U	20010126	JP200000004874U	20000711

Priority:

JP200000004874U 20000711

12) Family number: 50855053 (CN202172842U)

© PatBase

Title: A smoke attenuation filter bottle

Abstract: The utility model relates to a smoke tool, specifically to a smoke attenuation filter bottle, which comprises a bottle body (1), a bottle cap (2), a smoke pipe (3), a loading pipe (4), and a smoke dispersion tray (5). The smoke attenuation filter bottle is characterized in that the bottle cap is fixedly connected with the smoke pipe (3) and the loading pipe (4) and the lower end of the loading pipe (4) is welded with the smoke dispersion tray (5). The smoke attenuation filter bottle has a simple structure, is easy to make and clean, and can be reused. For smokers accustomed to smoking indoors, the smoke attenuation filter bottle enables over 50 percent harmful gas to be filtrated and absorbed by water, and thus reduces smudging of walls and ceilings caused by the smoke, reduces harm of passive smoking suffered by nonsmokers indoors and reduces harm of smoke to human bodies.

Classifications:

International (IPC 8-9): A24F1/30 (Advanced/Invention)

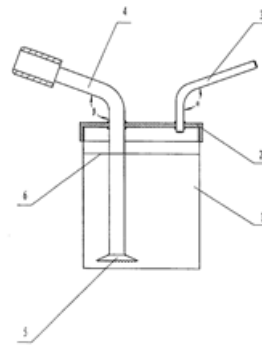


图 1

5

Family:

Publication number	Publication date	Application number	Application date
 CN202172842 U	20120328	CN201120304476U	20110814

Priority:

CN201120304476U 20110814

Probable Assignee:

WENJIE XU

Assignee(s): (std):

WENJIE XU ; YINGFAN WEI

Assignee(s):

WEI YINGFAN ; XU WENJIE

Inventor(s): (std):

YINGFAN WEI ; WENJIE XU

Inventor(s):

WEI YINGFAN ; XU WENJIE

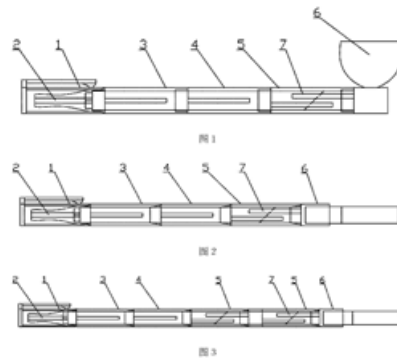
13) Family number: 51176834 (CN202232979U)

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Title: Filtration and purification tobacco pipe with multi-stage water pipe

Abstract: The utility model provides a filtration and purification tobacco pipe with a multi-stage water pipe. A cigarette holder is communicated with a smoke pan through the multi-stage filter pipe; water retaining pipes are arranged in the filter pipe; and water retaining pipes are arranged at two ends of the first filter pipe as well as at one end, close to the cigarette holder, of each of the other filter pipes. By adoption of the multi-stage filter pipe and arrangement of the water retaining pipes in the filter pipe, the filtration and purification tobacco pipe with the multi-stage water pipe, provided by the utility model, further improves the filtering effect; since the water retaining pipes are arranged in the filter pipe, a user does not worry that liquid (usually water) leaks from the filter pipes, so that the filtration and purification tobacco pipe can be manufactured to take the shape of a portable tobacco pipe, such as a line-shaped tobacco pipe; and an arranged cigarette holder cap can protect the cigarette holder from being tainted when the tobacco pipe is carried.

Classifications:**International (IPC 8-9):** A24F1/30 (Advanced/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
CN202232979 U	20120530	CN201120326218U	20110902

Priority:

CN201120326218U 20110902

Probable Assignee:

FAZHU HE

Assignee(s): (std):

FAZHU HE

Assignee(s):

HE FAZHU

Inventor(s): (std):

FAZHU HE

Inventor(s):

HE FAZHU

14) Family number: 57223386 (US2014230832A)

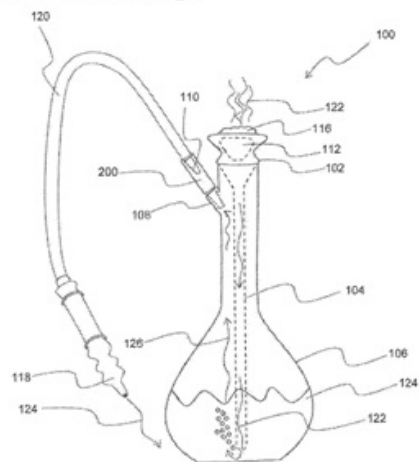
© PatBase

Title: INLINE HOOKAH FILTER

Abstract: An inline hookah filter constructed to fit between the hookah outlet and hookah hose, and to filter undesired impurities, such as water, soot, ash, tar, and some toxic chemicals out of the smoke in a standard hookah, or other water pipe. The inline hookah filter is a cylindrical shape, formed with tapered tip and female tapered seal on opposing ends, constructed to accommodate all standard hookah fittings and create airtight seals between the hookah and the inline filter and between the inline filter and hose with the use specially designed seals and coatings.

Classifications:**International (IPC 8-9):** A24F1/30 (Advanced/Invention)**CPC:** A24F1/30**US:** 131/173

PatBase - US2014230832_AA

**Family:**

Publication number	Publication date	Application number	Application date
US2014230832 AA	20140821	US20130773568	20130221

Priority:

US20130773568 20130221

Probable Assignee:

ASHLYNN MARKETING GROUP INC

Assignee(s): (std):

SALIMAN SARMAD

Assignee(s): ASHLYNN MARKETING GROUP INC
Inventor(s): (std): SALIMAN SARMAD

15) Family number: 57311354 (MX2012012785A)

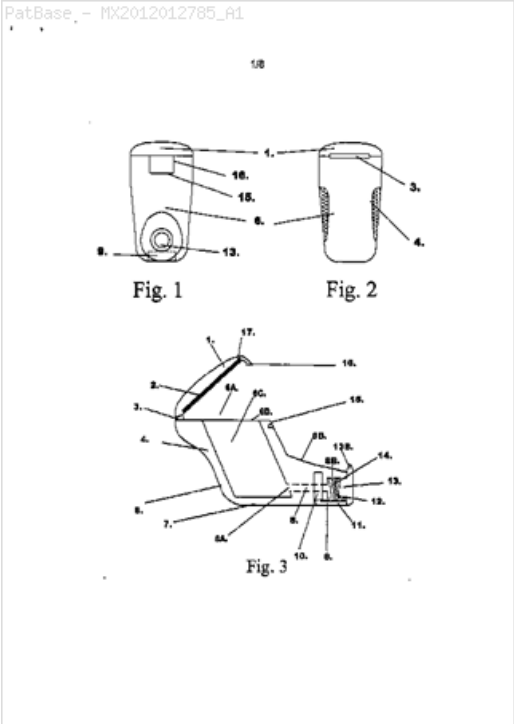
© PatBase

Title: HERMETIC TOBACCO PIPE.

Abstract: DESCRIBED IS A COMPLETELY SEALED TOBACCO PIPE, WHICH MAY BE SUBMERGED INTO WATER, PREVENTING TOBACCO FROM BEING WET AND PREVENTING ANY SUBSTANCE OR DIRT FROM BEING INTRODUCED THEREIN; IN ADDITION, THE SEALED PIPE PREVENTS SMOKE AND TOBACCO ODOR FROM ESCAPING, THE PIPE MAINLY CONSISTING IN A PIPE BODY MADE OF PLASTIC MATERIAL, WHICH SIMULTANEOUSLY COMPRISES A BOWL AND A MOUTHPIECE, A SUBSTANTIALLY RECTANGULAR BOWL MADE OF WOOD BEING ARRANGED WITHIN THE BOWL PORTION, A BOWL OPENING FOR INTRODUCING THE TOBACCO, A BOWL CAP ATTACHED TO THE BODY OF THE PIPE, WHERE THE CAP OF THE BOWL COMPRISES AN O-SHAPED RING INSERTED IN A CIRCUMFERENCE GROOVE LOCATED IN THE CAP, WHICH SEALS THE OPENING OF THE BOWL, WHERE THE MOUTHPIECE COMPRISES: A MOUTHPIECE CHAMBER, A CAP FOR THE MOUTHPIECE, WHICH COMPRISES AN O-SHAPED RING, A MIDDLE PART AND A STOPPER, WHERE SAID MOUTHPIECE CHAMBER IS HERMETICALLY CLOSED BY THE ADJUSTED INSERTION OF THE STOPPER.

Classifications:

International (IPC 8-9): A24F1/00 (Core/Invention)



Family:

Publication number	Publication date	Application number	Application date
MX2012012785 A1	20140522	MX20120012785	20121101

Priority:

MX20120012785 20121101

Probable Assignee: TRIANA FRANCISCO DE ASIS ISLA Y
Assignee(s): (std): TRIANA FRANCISCO DE ASIS ISLA Y
Assignee(s): FRANCISCO DE ASIS ISLA Y TRIANA
Inventor(s): (std): TRIANA FRANCISCO DE ASIS ISLA Y
Inventor(s): FRANCISCO DE ASIS ISLA Y TRIANA

16) Family number: 60615508 (CN204707988U)

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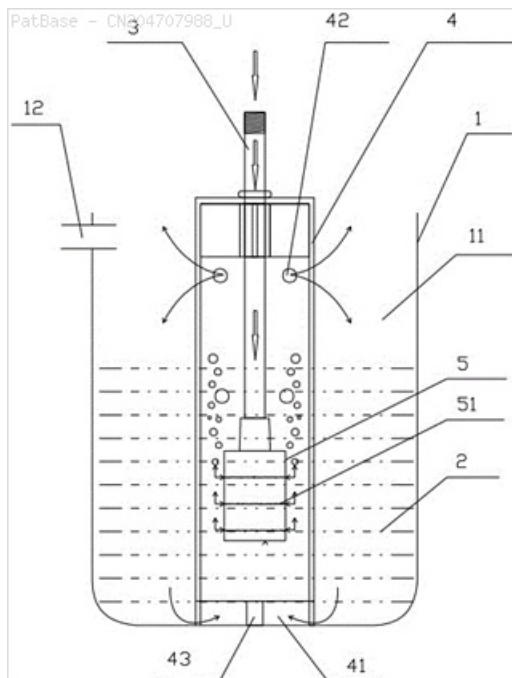
Title: DOUBLE -BARRELLED FILTRATION SHREDDED TOBACCO FOR WATER PIPES KETTLE

Abstract: The utility model provides a double -barrelled filtration shredded tobacco for water pipes kettle. The problem of current shredded tobacco for water pipes kettle smoking difficulty when using, filter not thoroughly is solved. It includes kettle body, pot lid and advances the tobacco pipe, the tobacco pipe overcoat that advances be equipped with the sleeve pipe, form between the bottom of sheathed tube bottom and kettle body and communicate the groove, the cooperation of kettle body and pot lid form inclosed cavity that is used for the holding to dissolve liquid, the tobacco pipe that advances insert in the cavity, kettle body or pot lid on be equipped with the smoking hole that is linked together with the cavity, the sleeve pipe on be equipped with the venthole that is linked together with the smoking hole. The beneficial effects of the utility model are that, set up the sleeve pipe, smog can spread the cavity of kettle body from the sheathed tube venthole, avoids the intraductal pressure of cover to rise and dissolves liquid and get into into the tobacco pipe and make user's smoking difficulty. The utility model discloses still have simple structure, filter thorough, smoking convenience, advantages such as long service life.

Classifications:

International (IPC 8-9): A24F1/30 (Advanced/Invention)

CPC: A24F1/30



Family:

Publication number	Publication date	Application number	Application date
■ CN104983072 A	20151021	CN201510351761	20150624
■ CN104983072 B	20181214	CN201510351761	20150624
■ CN204707988 U	20151021	CN201520436326U	20150624

Priority:

CN201510351761 20150624 CN201520436326U 20150624

Probable Assignee: WENZHOU JONBON SMOKING SETS MFG CO LTD

Assignee(s): (std): WENZHOU JONBON SMOKING SETS MFG CO LTD

Assignee(s): SMOKING SET MFG CO LTD WENZHOU BANG ; WENZHOU JONBON SMOKING SETS MFG CO

Inventor(s): (std): AN XIZHONG

17) Family number: 60697720 (US2016353796A)

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Title: COMPLEX FUNCTIONAL SMOKELESS CIGARETTE

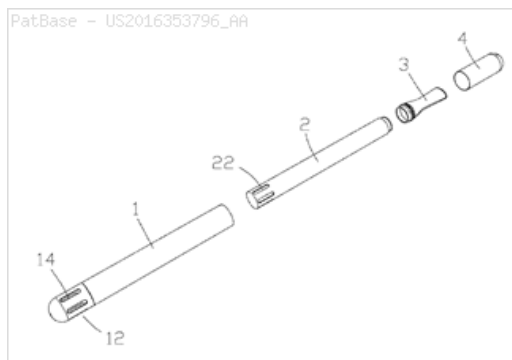
Abstract: The present invention discloses a complex functional smokeless cigarette, comprising a sealing pipe, a cartridge, an inhaling piece, and a sealing top cap. The cartridge is built-in and disposed in the sealing pipe, and the inhaling piece is fixedly connected to a top of the cartridge. A rotary sealing valve used to close or open the air inlet is disposed at a bottom of the sealing pipe. By the present invention, not only is the cartridge not yet used up avoided being exposed to air in the outside environment and being consumed due to volatilization so as to achieve advantages of preservation of an extended period, but also does the complex functional smokeless cigarette have effects of human body health care and medical treatments to be able to relieve or alleviate user's symptoms of oral diseases, coughing and sneezing, and has a simple structure and is easy to use.

Classifications:

International (IPC 8-9): A24B15/16 A24F47/00 A61K31/185 A61K31/355 A61K31/375 A61K31/525 A61K31/59 A61P1/02 A61P11/00 A61P11/14 (Advanced/Invention)

CPC: A24F47/002 A24B15/167

US: 131/275



Family:

Publication number	Publication date	Application number	Application date
■ CN105011374 A	20151104	CN201510300590	20150605
■ US2016353796 AA	20161208	US20160084452	20160329

Priority:

CN201510300590 20150605

Probable Assignee: SHENZHEN SMACO TECHNOLOGY LTD

Assignee(s): (std): SHENZHEN SMACO TECH LTD ; SHENZHEN SMACO TECHNOLOGY CO LTD

Assignee(s): SHENZHEN SMACO TECHNOLOGY LTD ; SHENZHEN SMACO TECHNOLOGY CO

Inventor(s): (std): WU YANGYANG

Title: MULTI PURPOSE SELF ROLLED AND PAPERLESS SMOKING APPARATUS FOR ANY KIND OF TOBACCO

Abstract: This invention has multiple uses for smoking self-rolled cigarettes or the bigger ones called blunts made out of cigars or cigar rolling papers and even work as a paperless cigarette, paperless joint, or paperless joint. This embodiment has 4 parts of aluminum other metals or heat resistant materials may be used and 2 metal screens. A blunt or joint may be placed into the device to be used as a holder tube 2 that is cone shaped for adjustable fitting for joints, or smaller roller cigarettes or into tube 3 that is cone shaped for adjustable fitting for blunts, or larger roller cigarettes that protects the user from getting tobacco or legal marijuana into their mouth, it may also be used as a paperless joint, cigarette or blunt, by putting the tobacco or legal marijuana direct into the device in tube (3). It can also be used to store an unfinished hand rolled or paperless rolled cigarette, legal joint or blunt. It also supply a better smoke like one would get from a water pipe because of its built in filter with screen in tube (1).

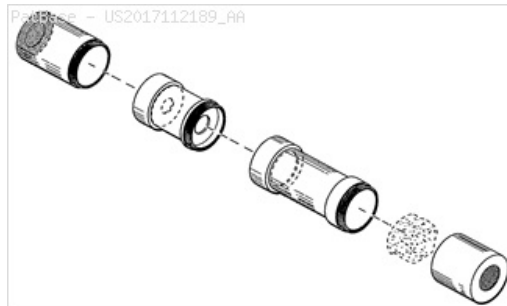
Classifications:

International (IPC 8-9): A24F1/28 A24F1/32 A24F13/06

A61K36/185 (Advanced/Invention)

CPC: A24F13/06 A24F1/28 A24F1/32

US: 131/187



Family:

Publication number	Publication date	Application number	Application date
US2017112189 AA	20170427	US20160334180	20161025

Priority:

US20150246070P 20151025 US20160334180 20161025

Probable Assignee:

STERN ELI

Assignee(s): (std):

STERN ELI

Inventor(s): (std):

STERN ELI

Title: FILTERING PIPE SMOKE

Abstract: A smoking pipe has a a combustion bowl, a mouthpiece, and an inhalation conduit. An inhalation check valve is connected to the inhalation conduit and positioned between the bowl and the mouthpiece, oriented to pass smoke of combustion in one direction from the bowl to the mouthpiece. An exhalation check valve is positioned between the mouthpiece and the atmosphere, and is oriented to pass exhalation in one direction from the mouthpiece to the atmosphere. A body is partially fillable to retain water, and the inhalation conduit passes from the bowl into the body and extends to an upper area inside the body, and then turns to extend towards a lower area inside the body, terminating in an open end. The inhalation conduit has a second portion that has an opening in the upper inner area and extends to the inhalation check valve.

Classifications:

International (IPC 8-9): A24F1/00 A24F1/14 A24F1/24 A24F1/30

A24F13/00 A24F3/00 A24F5/10 A24F7/02 A61M15/00 B01D39/06

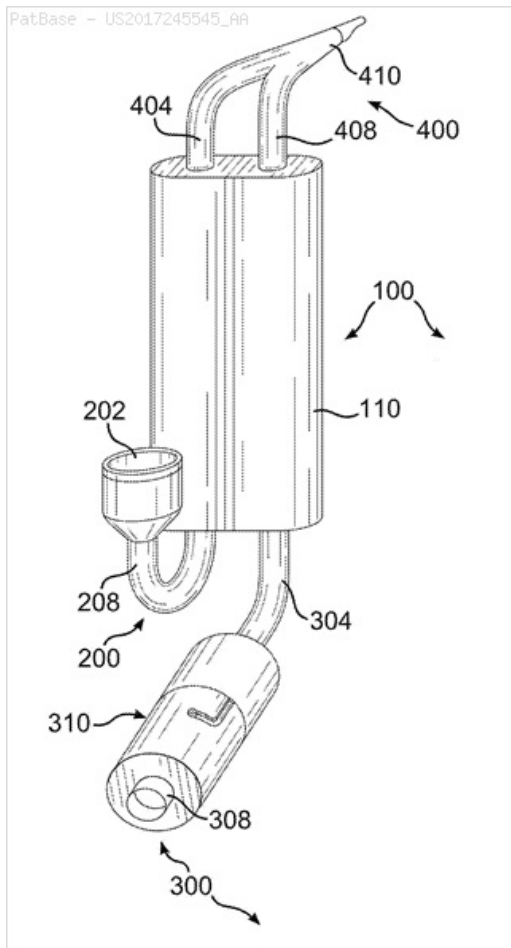
B01D46/30 F16K15/14 (Advanced/Invention)

CPC: A24F1/00 A61M15/0021 A61M15/0016 A61M15/0018 A24F7/02

A24F13/00 A24F5/10 B01D39/06 A61M2205/75 B01D2239/0208

A61M11/042 A61M15/06 A61M2205/3653 A61M2205/8206

A61M2205/8237 B01D39/2058

**Family:**

Publication number	Publication date	Application number	Application date
US2017245545 AA	20170831	US20160056114	20160229
WO17151428 A1	20170908	WO2017US19338	20170224

Priority:

US20160056114 20160229

Probable Assignee: CHANCELLOR PROPRIETARY INC**Assignee(s):** (std): CHANCELLOR PTY INC**Assignee(s):** CHANCELLOR PROPRIETARY INC**Inventor(s):** (std): JOHNSON III DARRELL ; JOHNSON MARIE ; JOHNSON DARRELL III**Agent(s):** WINER GARY S 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

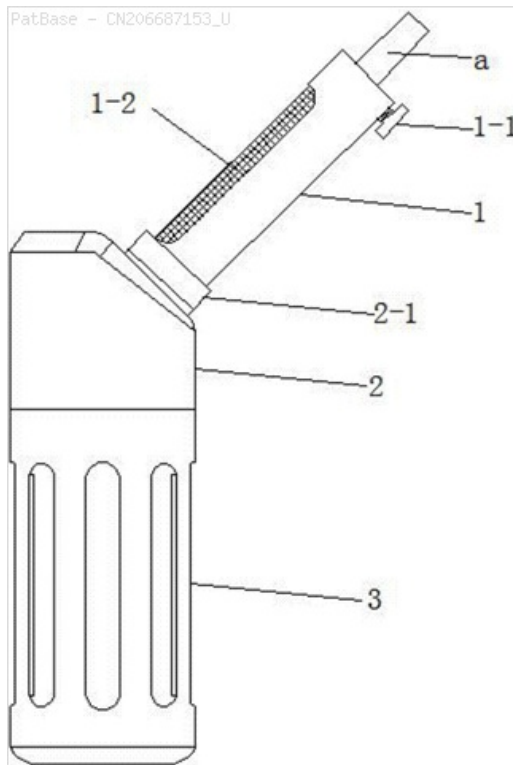
20) Family number: 67693475 (CN206687153U)

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Title: COLLECT INDOOR PIPE OF CIGARETTE ASH

Abstract: The utility model discloses a collect indoor pipe of cigarette ash belongs to pipe technical field. Receiving flask bottle lid upper end be provided with the socket, the cigarette holder rear end pass through the socket and be connected with the receiving flask bottle lid, urceolus upper end be provided with ventilative filter screen, the urceolus front end install the cigarette snap ring, inner ring fixed mounting in urceolus inner wall, receiving flask bottle lid inner wall be provided with the internal thread, receiving flask bottle lid lower part be provided with the receiving flask bottle, inner bag upper portion outer wall be provided with the external screw thread, reasonable in design through cigarette ash receiving flask bottle, can make the people of smoking smoke under any environment, and can not produce falling scattered of cigarette ash, through cigarette holder and cigarette snap ring, can make automatic landing to the cigarette ash receiving flask bottle of the cigarette end of taking out to put out the smoke suppression head rapidly through the glass cotton that absorbs water, do not scald one's hand, convenient to use, safety, environmental protection, no conflagration hidden danger, overall function nature is strong, satisfies the demand of the indoor smoking of people.

Classifications:**International (IPC 8-9):** A24F1/00 (Advanced/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
■ CN206687153 U	20171201	CN201720400715U	20170417

Priority:

CN201720400715U 20170417

Probable Assignee:

ZHANG LENGYI

Assignee(s): (std):

ZHANG LENGYI

Assignee(s):

COLD ZHANG YI

Inventor(s): (std):

ZHANG LENGYI

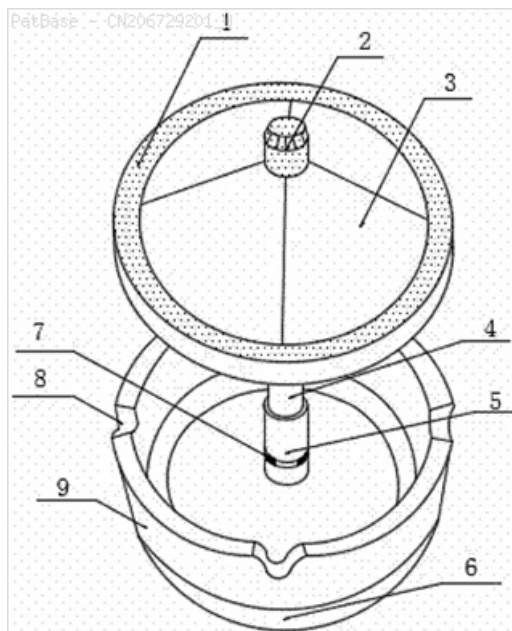
21) Family number: 67814638 (CN206729201U)

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Title: GLASS ASHTRAY WITH FILTERING CAPABILITY

Abstract: The utility model discloses a glass ashtray with filtering capability, including LED lamp strip, miniature draught fan, top cap, interior pole, outer pole, chassis, high -efficient filter layer, HEPA filter screen, active carbon filter layer, through -hole, clamp cigarette groove, cylinder body, singlechip, lamp strip switch, exhaust pipe, battery, smoke transducer and the collection petticoat pipe of decomposing of formaldehyde. The utility model discloses a glass material, not only convenient and the appearance is bright pleasing to the eye in the clearance, the top of cylinder body adopt can tensile album the petticoat pipe put back to the second -hand -cigarette and the smoke and dust that produce ashtray inside and collect, transmit that the chassis is inside to be filtered and purify to, the reducible second -hand -cigarette of one side also prevents wafting of smoke and dust to crowd's influence on every side, on the other hand collection petticoat pipe, the closing cap can not carried out to the time spent at the ashtray, being connected by the through -hole between chassis and the cylinder body, when adding water to the cylinder body, preventing spilling over of water, the water that enters into the chassis can be joined into the purification to the smoke and dust, and is clean effective.

Classifications:**International (IPC 8-9):** A24F19/10 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
■ CN206729201 U	20171212	CN201720313932U	20170329

Priority:

CN201720313932U 20170329

Probable Assignee: ANHUI JIALONG GLASS HANDICRAFT CO LTD

Assignee(s): (std): ANHUI JIALONG GLASS HANDICRAFT CO LTD

Assignee(s): ANHUI CO LTD PLUS CLONED GLASS CRAFTS ; ANHUI JIALONG GLASS HANDICRAFT CO

Inventor(s): (std): YUAN LEI

22) Family number: 70620136 (US2018213840A)

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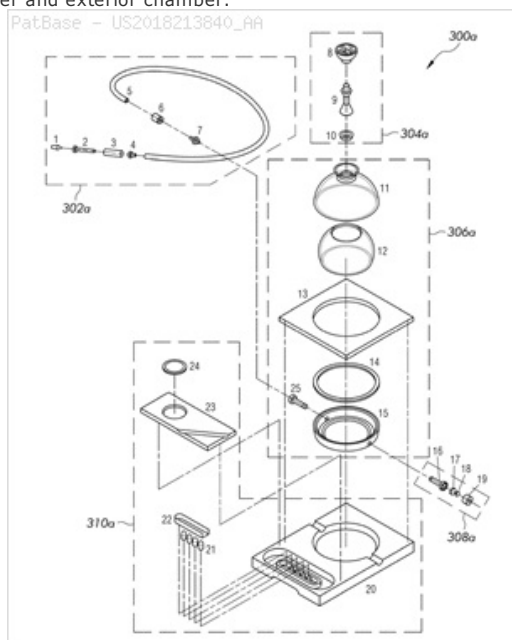
Title: DOMED WATER PIPE WITH SUPPORTING TRAY

Abstract: A multi-chambered water pipe comprising an inner chamber and exterior chamber.

Classifications:

International (IPC 8-9): A24F1/00 A24F1/24 A24F1/30 A24F1/32 A24F47/00 A24F5/00 (Advanced/Invention)

CPC: A24F1/24 A24F1/32 A24F47/00 A24F1/30



Family:

Publication number	Publication date	Application number	Application date
■ CN108542005 A	20180918	CN201810103033	20180201
■ US2018213840 AA	20180802	US20170422433	20170201
■ US2018213841 AA	20180802	US20170476296	20170331
■ US2018317545 AA	20181108	US20180974286	20180508
■ US10034491 BA	20180731	US20170422433	20170201
■ US10092034 BB	20181009	US20170476296	20170331
■ WO18143984 A1	20180809	WO2017US16102	20170201

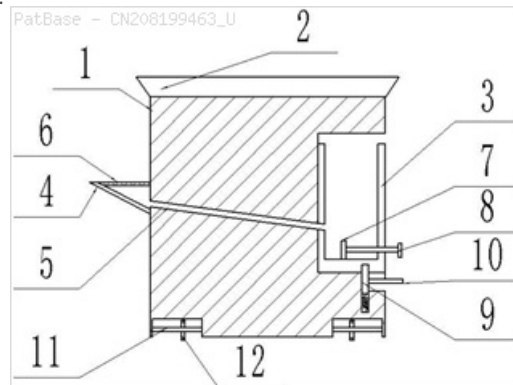
Priority:

Probable Assignee: KALOUD INC**Assignee(s):** (std): BAVAR REZA ; BRADFORD STEPHEN ; CASTRO ANDREW ; GARLAND TYLOR ; KALOUD INC ; LATHAM MICHAEL ; SEIMER RICHARD ; HUMMEL MARK ; RENIERS WILSON ; HARPER STEPHEN**Inventor(s):** (std): BAVAR REZA ; GARLAND TYLOR ; LATHAM MICHAEL ; BRADFORD STEPHEN ; SEIMER RICHARD ; HUMMEL MARK ; RENIERS WILSON ; HARPER STEPHEN ; CASTRO ANDREW ; SIEMER RICHARD**Agent(s):** ONE LLP; LIU JOSEPH K**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**23) Family number: 72309916** (CN208199463U)

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Title: SANITATION GARBAGE BIN WITH QUICK SMOKE SUPPRESSION FUNCTION

Abstract: The utility model relates to a garbage bin technical field, concretely relates to sanitation garbage bin with quick smoke suppression function, including shell and top cap, its characterized in that: including the smoke suppression device, the smoke suppression device includes the smoke suppression bucket, the smoke suppression bucket sets up in the shell, the shell lateral wall is equipped with the water catch bowl, the collector pipe is connected to the water catch bowl lower extreme, the collector pipe sets up inside the shell, the terminal inside with the smoke suppression bucket of collector pipe switches on, the fixed filter screen that is equipped with in water catch bowl upper end, smoke suppression bucket lower extreme is equipped with the push rod, push rod front end connect squeeze board, the stripper plate sets up in the smoke suppression bucket, be equipped with the block pole in the shell, block pole and shell sliding connection, block pole bottom is equipped with the spring, spring bottom and shell fixed connection, be equipped with the pull rod on the block pole. The utility model discloses be convenient for put out fast the smoke suppression head.

Classifications:**International (IPC 8-9):** A24F19/10 B65F1/14
B65F1/16 (Advanced/Invention)**Family:**

Publication number	Publication date	Application number	Application date
CN208199463 U	20181207	CN201820362734U	20180316

Priority:

CN201820362734U 20180316

Probable Assignee:

LI TIANZHENG

Assignee(s): (std):

LI TIANZHENG

Assignee(s):

TIAN POSITIVE

Inventor(s): (std):

LI TIANZHENG

24) Family number: 73494603 (KR20190000638U)

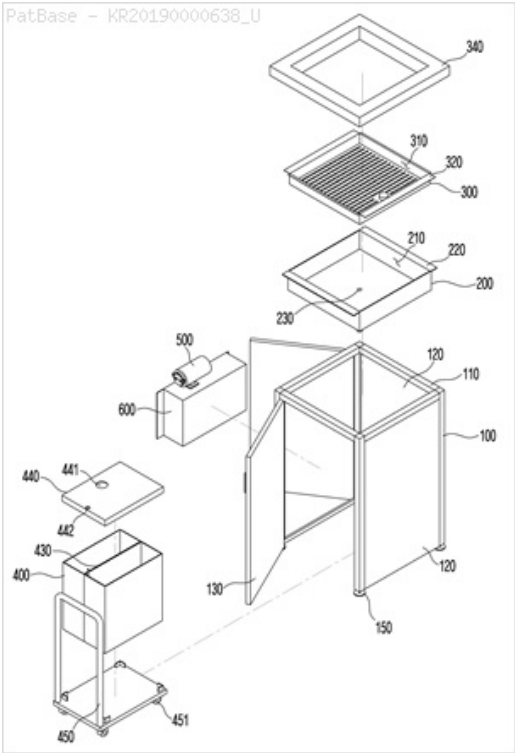
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Title: SAFE ASHTRAY FOR COMMON ROOM

Abstract: Source: KR20190000638U **Machine translation:** The subject innovation relates to a smoking, especially practical safety ashtrays and ashtray speculation in the smoking by the osmosis phenomenon of cigarette butts ashtray itself from the water sucked their own safety ashtray digest configured to be smoking relates to practical use. (1) the design of the practical safety ashtray smoking smoking-applied the present design the ashtray, stainless material of safety (1) is 4 welded to each pipe (110) is formed in the shape of a rectangular parallelepiped, the upper and lower is opened, the left side surface portion and the back portion 120 is welded to the stainless steel plate, the front portion is open to the closed-one side is hinged to the hinged door 130 is open to one side of the right side 20-to-hinged door 130 is hinged to the outer frame 100, and is configured as an integral; the upper opening of the outer frame 100 is formed with a size which is embedded in the opening of the box shape of the upper body 210 and the body 210 is formed toward the outside in the open end of the blade 220 by the engaging piece (210) is multiple aperture in the central portion of the bottom surface of the middle portion of the ball 230 having a ball valve 232, 231 of the drain pipe, the bottom of the upper body 210 to be welded to the bottom surface of the drain hole 230 at one side in the through hole in the coupling hole 240 has an overflow pipe ends are bent to the lower portion of the drain pipe 231, the overflow drain ball valve 232 welded to the upper region of the tube (241, OVER FLOW PIPE) is inserted as formed integrally by welding the upper end of the outer frame 100 is mounted to the blade 220 is placed on the upper reservoir 200 and the reservoir 200 of the upper opening of the upper portion is formed with a size which is embedded in the box-shaped top portion is open The body 310, the body 310 is formed on the open end of the engaging piece wings 320 outwardly jidoe, the enclosure 330 has been speculation the smoking gun in the bottom surface 310 (50) is jammed to be collected in a plurality of elongated holes or through studies to portion 331 is formed, the outer frame 100 of the upper opening 200 of the upper housing 210 to the reservoir 310 and the outer circumference of the upper end of the frame 100 is embedded in the upper portion of the open end 200 of the wing 220 over the reservoir 320 is placed again, and then through an overlap; the butts butts collection box (300) is placed in a collection bin 300 of the wing 320 provided in the mounting portion formed in the shape becomes overshadowing#340; the upper cover of the rectangular frame-like shape formed in a box shape with a top portion is open, the other side of the one side of the storage tank 410 and the filter 420 is welded to the central portion of the tank are separated by a partition wall 430, the upper part of the upper surface is closed, it made to the

inverse box shape with an opening in the lid 440 and is provided with a buzzer water tank 450 is integrally coupled to the lower portion by moving the cart 400, and; the buzzer buzzer water tank 400, the water to the upper water tank water reservoir (200) (500); and a circulation pump for achieving the functions of the switch, transformer circuit breaker therein is provided with a digital timer being electrically connected to the circulation pump 500 and the circulation pump 500 is known in the operation of the control box 600 and control function responsible for it characterized in that it comprises a. In the present design is configured as described above, according to the well-safety ashtray stealing naps in smoking smokers, as well as smoking the smoking gun in the case of dumping in the ashtray during start time of flight departure time or bus departure times some important promises is only a short time, such as the train came to expect to say that was smoking smoking cigarette butts ashtray to blindly even if smoking smokers and is safe to remove the risk of fire to protect the life and property can be presented (e.g., a smoking practical safety ashtray.

Classifications:
International (IPC 8-9): A24F19/00 A24F19/02
A24F19/14 (Advanced/Invention)
CPC: A24F19/145 A24F19/0071 A24F19/02



Family:

Publication number	Publication date	Application number	Application date
KR20190000638 U	20190312	KR20170004630U	20170901

Priority:
KR20170004630U 20170901

Probable Assignee: THREE WON SMALL METAL IND CO LTD
Assignee(s): THREE WON SMALL METAL IND CO LTD