



New connection on: : 06-06-2018 : 00:45:47 - Last disconnection on: : 06-06-2018 : 00:45:47

V 4.0.0.44358(LP,U,linux) (Rev:43856 2017-04-27 09:03:29 +0200#(D201802)) (RPM D201802)

Welcome to EPOQUE Rebuild under the Production Environment

[EPODOC: SS 4] ..fi EPODOC

 Database: EPODOC

[EPODOC: SS 4] degass+

Results in EPODOC 30.206

[SS 5] degass+ AND valve+

Results in EPODOC 2.681

[SS 6] degass+ AND valve+ AND layer+ AND filter AND (width OR gage OR depth OR gage)

Results in EPODOC 0

[SS 7] degass+ AND valve+ AND layer+ AND filter

Results in EPODOC 19

[SS 8] ..v

[EPODOC: SS 8] ..li



1/19 © EPODOC / EPO

PN - [CN206544961U](#) U 20171010

PR - CN20172156014U 20170221

AP - CN20172156014U 20170221

DT - I

PA - DONGGUAN CHAOJING WATER TREAT TECHNOLOGY CO LTD

TI - Super water purification equipment

AB - The utility model discloses a super water purification equipment, including the

pretreatment water case, the top water inlet of pretreatment water case is connected with the city water tank, and preprocessor water tank internally mounted has a multi-media **filter**, and the bottom delivery port of preprocessor water tank is connected with the reverse osmosis case, the inside of reverse osmosis case divide into the three **-layer**, installs the heater on the inside lateral wall all around of first **layer**, and the bottom foreshadowing has an activated carbon **filter**, and activated carbon **filter** corresponds the bottom has the delivery port to be connected to the second floor, and second floor internally mounted has an electrolysis bed, and the reverse osmosis water film is installed to the delivery port, and third **layer** internally mounted has a membrane **degasser**, and the outlet **valve** is installed to the delivery port of reverse osmosis case, the outlet **valve** has the pure water case through pipe connection, the top fixed mounting of pure water incasement portion has a sterilamp, and the output is connected with stills, the inside fixed mounting of stills has a polishing mixed bed, and the delivery outlet is connected with ultrafiltration device, ultrafiltration device's output is connected with sealed storage jar.

2/19 © EPODOC / EPO

- PN - [CN206267270U](#) U 20170620
- PR - CN201621342924U 20161208
- AP - CN201621342924U 20161208
- DT - I
- PA - UNIVXUCHANG
- TI - Urban rainwater synthesizes to collect and utilizes device
- AB - The utility model discloses an urban rainwater synthesizes to collect and utilizes device, including abandoning a class **filter** equipment, municipal rainwater pipeline, PLC controller, second solenoid **valve**, **degassing** unit, storage water tank and level sensor, the play water end (W. E.) of abandoning class **filter** equipment leads to pipe and is connected with **degassing** unit, the water pipe is connected with municipal rainwater pipeline, be equipped with first solenoid **valve** on the municipal administration rainwater pipeline, the right side that lies in municipal rainwater pipeline on the water pipe is equipped with the second solenoid **valve**, **degassing** unit's right side bottom is located to the delivery port, **degassing** unit's delivery port leads to pipe and is connected with the storage water tank, the top of check coral is equipped with activated carbon **layer**, activated carbon **layer**'s top is equipped with gravel **layer**, be equipped with level sensor on the inner wall of storage water tank. This urban rainwater synthesizes to collect and utilizes device can carry out effectual collection to the rainwater of urban community roof to through a series of processing back, make it be used as usage such as district afforestation, cleanness once more.

3/19 © EPODOC / EPO

- PN - [CN206261868U](#) U 20170620
- PR - CN20162992539U 20160830
- AP - CN20162992539U 20160830
- DT - I
- PA - CUI JING
- TI - **Degassing** unit is breathed in prevention from suffering from diseases

AB - The utility model belongs to the technical field of the prevention from suffering from the diseases, especially, relate to a **degassing** unit is breathed in prevention from suffering from diseases, the air suction pipeline tip is equipped with oxygen branch pipe and air branch pipe, air branch pipe's entry end is equipped with the **filter layer**, last humidifier and the blender of being equipped with of air suction pipeline, expiration channel one end is equipped with the water catch bowl, the other end is the expired gas delivery outlet, the water catch bowl inner wall is equipped with the heating resistor silk, the water catch bowl lower extreme passes through the cross **valve** and is connected with sterilization pot, near expired gas delivery outlet is connected with active carbon filtration poison box, active carbon filtration poison box is connected with the ultraviolet disinfection case, the ultraviolet disinfection incasement is equipped with the ultraviolet disinfection lamp, the extension switch is established ties with time switch, the ultraviolet disinfection lamp, the extension switch, time switch forms closed -loop, the ultraviolet disinfection lamp, the extension switch, the closed -loop that time switch formed is parallely connected with the for a long time ware. The beneficial effects of the utility model are that: collection timing, for a long time, time delay are as an organic whole, can restrain the pollution of infectious virus to the environment effectively.

4/19 © EPODOC / EPO

PN - [CN205773963U](#) U 20161207

PR - CN20162694796U 20160624

AP - CN20162694796U 20160624

DT - I

PA - WEIFANG ENV PROT MACHINERY CO LTD

TI - Small -size medical wastewater treatment facility

AB - The utility model discloses a small -size medical wastewater treatment facility, including installing sewage treatment box, **filter** equipment and the **degassing** unit on the base, install the walking wheel on the base, be equipped with the water distribution device in the sewage treatment box, be equipped with **filter layer**, the biochemical **layer** of filtration, biological oxidation **layer**, retaining chamber in the sewage treatment box, the **filter layer** is stacked by the compound **filter** net cloth of multilayer and forms, filters the biochemistry **layer** and makes by filtering biochemical cotton, and the biological oxidation in situ is equipped with multiunit oxygenation device, the lower part that sewage treatment box corresponds the retaining chamber is equipped with the delivery port, has the self priming pump through pipeline installation on the delivery port, and self priming pump and **filter** equipment intercommunication are connected with the drain pipe on **degassing** unit's the delivery port, install the drain **valve** on the drain pipe, the water intaking **valve** is installed on advancing the pipe to the raw water, and sewage treatment box is equipped with the liquid level detection device at the retaining intracavity, and the signal output part and the controller electricity of liquid level detection device are connected, and the control end of drain **valve** and water intaking **valve** is connected with the controller electricity respectively.

5/19 © EPODOC / EPO

PN - [CN205653836U](#) U 20161019

PR - CN20162479312U 20160524

AP - CN20162479312U 20160524

DT - I

CCA - [Y02A20/108](#)

PA - BEIJING ZHONGKE AOSHUI ENV PROT ENG TECH CO LTD

TI - System that utilizes is collected to high -efficient rainwater

AB - The utility model discloses system that utilizes is collected to high -efficient rainwater relates to water resource management field. Its purpose is that a system integration degree is high, system that utilizes is collected to high -efficient rainwater of high quality, convenient to use supplies water in order to provide. The utility model discloses system that utilizes is collected to high -efficient rainwater includes distributing well, distributing water pipe, cistern, **filter layer**, blow off pipe, flushing pipe, collector pipe, water intaking well, working shaft and delivery pipe. The delivery pipe is linked together with full -automatic **filter**'s first **valve** of **filter** and **filter** third **valve**, the first **valve** of **filter** is linked together with full -automatic **filter**, full -automatic **filter** is linked together with **filter** second **valve**, **filter** second **valve** and **filter** third **valve** all are linked together with **degassing** unit's water inlet, **degassing** unit's delivery port and the first **valve** of disinfection are linked together, the first **valve** of disinfecting is linked together with disinfection second **valve** and disinfection third **valve**, disinfection second **valve** is linked together with the distributing water pipe, disinfection third **valve** is linked together with the water end (W. E.) with outside.

6/19 © EPODOC / EPO

PN - [CN205328774U](#) U 20160622

PR - CN2016224822U 20160112

AP - CN2016224822U 20160112

DT - I

PA - NANJING YAFANG PHARMACEUTICAL CO LTD

TI - Aseptic fresh water jar

AB - The utility model discloses an aseptic fresh water jar, the power distribution box comprises a box body, the inside top -down of box is divide into the room of **degassing** by the baffle, the coarse filtration room, the secondary **filter** room, the PH chamber regulator, the reservoir chamber, it is equipped with water inlet and gas outlet to degas room top, it is equipped with the air inlet to degas room side, be equipped with the quartz sand **filter layer** in the coarse filtration room, be equipped with the active carbon **filter layer** in the secondary **filter** room, PH chamber regulator side is equipped with the inlet, get the liquid mouth, drinking water ultraviolet disinfectant, the reservoir chamber side is equipped with the delivery port, it is equipped with first export to degas room below, coarse filtration room below is equipped with the second export, secondary **filter** room below is equipped with the third export, PH chamber regulator below is equipped with the fourth export, the exit is equipped with the **valve**, the utility model discloses simple structure, convenient to use, carbon dioxide free in the water is got rid of to the room of **degassing**, and the suspended impurity heavy metal can be detached in coarse filtration room, secondary **filter** room, and the PH chamber regulator can ultraviolet ray disinfection, balanced pH value, product quality has been guaranteed to the effectual pure water quality of water that has improved.

7/19 © EPODOC / EPO

PN - [CN105214376](#) A 20160106
PR - CN20141293981 20140627
AP - CN20141293981 20140627
DT - I
PA - ANHUI LONGXI FOREIGN TRADE SESAME OIL MFG CO LTD
TI - Defoaming and **degassing** vacuum oil purifier
AB - The invention discloses a defoaming and **degassing** vacuum oil purifier. The defoaming and **degassing** vacuum oil purifier comprises an oil inlet, a heating chamber and a vacuum tank, wherein an atomizing sprayer is arranged above the vacuum tank; an electrostatic adsorption tower is connected below the atomizing sprayer; a **valve** is arranged between the electrostatic adsorption tower and the vacuum tank; a mixing chamber is connected with the vacuum tank; the bottom of the mixing chamber is connected with a rotating motor; an output part of the rotating motor is connected with an impeller; a heater is connected with the impeller through the output part; the heater is connected with the top end of a mixer through an oil conduit; an inlet of the heater is connected with an outlet of a second-stage **filter**; multiple **layers** of filtering meshes are arranged in the second-stage **filter**; the oil inlet is connected with a port of the second-stage **filter**; first-stage filtering **layers** are arranged in the oil inlet; a condenser is connected with one side of the vacuum tank; a water storage tank is connected below the condenser; and the vacuum pump is connected with the water storage tank. The vacuum oil purifier disclosed by the invention has the advantages of simple structure, convenience in use, good dehydrating and defoaming effect and the like.

8/19 © EPODOC / EPO

PN - [CN204501800U](#) U 20150729
PR - CN20152110842U 20150215
AP - CN20152110842U 20150215
DT - I
PA - CUI JING
TI - Air **degassing** unit for the prevention from suffering from the diseases
AB - The utility model belongs to the technical field of medical **degassing** unit, especially, relate to an air **degassing** unit for the prevention from suffering from the diseases, the box bottom of admitting air is equipped with the fresh air inlet, and the fresh air inlet top is equipped with the **filter layer**, and the box that admits air is connected with the disinfection fluid reservoir, the box and disinfect and be equipped with the first fan between the fluid reservoir of admitting air, and the antiseptic solution in-tank is equipped with the whip, and the fluid reservoir of disinfecting is connected with the check **valve** by the pipeline of giving vent to anger, is equipped with the venturi ejector behind the check **valve**, and the venturi ejector is connected with ozone generator, and ozone generator is connected with the ultraviolet disinfection case, and the ultraviolet disinfection incasement is equipped with turbulence structure and ultraviolet disinfection lamp, and ultraviolet disinfection case end is equipped with the ozone separate mesh, behind the ozone separate mesh, be equipped with the export on the ultraviolet disinfection case. The beneficial effects of the utility model are that: utilizing antiseptic solution, ozone and ultraviolet ray to purify the air jointly and disinfecting,

can maximize favourable factors and minimize unfavourable ones, the performance is the advantage of sterilizing separately to reach better sterilization effect.

9/19 © EPODOC / EPO

- PN - [CN203990067U](#) U 20141210
- PR - CN20142346896U 20140627
- AP - CN20142346896U 20140627
- DT - I
- PA - ANHUI LONGXI FOREIGN TRADE SESAME OIL MFG CO LTD
- TI - Defoaming/**degassing** vacuum oil purifying machine
- AB - The utility model discloses a defoaming/**degassing** vacuum oil purifying machine. The defoaming/**degassing** vacuum oil purifying machine comprises an oil inlet, a heating chamber and a vacuum tank. An atomizing spray head is arranged above the vacuum tank; an electrostatic adsorption tower is connected to the bottom of the atomizing spray head; a **valve** is arranged between the electrostatic adsorption tower and the vacuum tank; a mixing chamber is connected with the vacuum tank; the bottom of the mixing chamber is connected with a rotary motor; an output part of the rotary motor is connected with an impeller; a heater is connected with the impeller through the output part; the heater is connected to the top end of a mixer through an oil guide pipe; an inlet of the heater is connected with an outlet of a secondary **filter**; multiple **layers of filter** screens are arranged in the secondary **filter**; the oil inlet is connected with an end opening of the secondary **filter**; a primary **filter layer** is arranged in the oil inlet; a condenser is arranged on one side which is connected with the vacuum tank; a water storage tank is arranged below the condenser; a vacuum pump is connected with the water storage tank. The vacuum oil purifying machine has advantages of simple structure, use convenience, good dehydrating and defoaming performances and the like.

10/19 © EPODOC / EPO

- PN - [UA94487](#) C2 20110510
- PR - UA20090006069 20090612
- AP - UA20090006069 20090612
- DT - I
- PA - MARINE HYDROPHYSICAL INST OF THE NAT ACADEMY OF SCIENCES OF UKRAINE [UA]
- TI - SAMPLER-**DEGASSER** OF BOTTOM WATERS
- AB - The invention relates to oceanographic and geological research and is intended for sampling water in the bottom **layer** of water bodies (rivers, lakes, seas and oceans). A sampler- **degasser** of bottom waters comprises an airtight case equipped with a device for changing the internal volume and an internal pressure compensator. The sampler also comprises a bottom touch sensor, a water intake device with a **filter**, a suspension, a load, cranes for gas and water. The body has upper and lower **valves** in the form of concentric cylindrical pistons equipped with O-cuffs of V-shaped cross section and installed in the upper and lower cylindrical seats, which are also equipped with O-cuffs of V-shaped cross section. The pistons are fixed on a rod, which is connected with a suspension and a load and installed in the body cavity on its axle, with possibility of limited movement of the pistons for withdrawal of the pistons from the seats and their return to the seats. The rod is cinematically connected to the lock open and closed

states of **valves**, which is connected to the bottom touch sensor. The lock of open and closed states of **valves** of the sampler is made, for example, in the form of a trigger interacting with the rod grooves. The technical result of the invention consists in increase of reliability of sampling bottom water and gases dissolved therein and sampling from great depths and simplification of the process of water **degassing**.

11/19 © EPODOC / EPO

PN - [CN203469608U](#) U 20140312
 PR - CN20132323296U 20130606
 AP - CN20132323296U 20130606
 DT - I
 PA - ZHANG JINNAN
 TI - Dynamic-pressure solid-liquid separator
 AB - The utility model relates to a dynamic-pressure solid-liquid separator which is widely applied to petroleum mud solid control, shield mud purification, sewage treatment and other industry sectors needing solid-liquid separation. The technical scheme is as follows: the dynamic excitation is adopted on the basis of static press filtration to realize the solid-liquid separation; the dynamic-pressure solid-liquid separator is specifically composed of main components, such as a booster mud tank body, a multilayer vertical **filter** screen mechanism, a dynamic excitation mechanism, a vibration-damping bearing spring, a spiral chip discharge mechanism, and a complete machine base; the booster mud tank body is composed of a mud inlet, a bucket-shaped mud tank body, a mud collection tube and outlet, and a net cage sealing component; the **filter** screen mechanism comprises a **layered filter** screen, a power drive device, and a **filter** screen support hinge; the dynamic excitation mechanism is composed of a power source and an exciter; the spiral chip discharge mechanism is composed of a spiral chip pushing compactor, an automatic weighing and chip-discharging **valve** and a power transferring component; the vibration-damping bearing spring can be a spiral metal spring or a rubber compound spring. A **degasser** and a pneumatic or hydraulic **filter** screen cleaner can also be additionally arranged according to working needs.

12/19 © EPODOC / EPO

PN - [CN202049363U](#) U 20111123
 PR - CN2011263569U 20110311
 AP - CN2011263569U 20110311
 DT - I
 PA - SICHUAN XINXING ALUMINUM INDUSTRY CO LTD
 TI - Online **degassing** automatic ignition heat preservation control system
 AB - The utility model discloses an online **degassing** automatic ignition heat preservation control system, which comprises a **filter** box and a cover body, wherein the outer part of the cover body is provided with a PLC (Programmable Logic Controller) controller, a touch screen and an ignition controller, an inner wall of the cover body is covered with a heat insulation **layer**, a fan, a burner nozzle and a temperature sensor for acquiring the internal temperature of the cover body are arranged in the cover body, one side of the cover body is provided with a flue, the ignition controller is connected with an

ignition needle of the burner nozzle through an ignition transformer, a fire inspection needle of the burner nozzle is connected with the ignition controller, an air duct of the burner nozzle is connected with the fan, an air supply regulating **valve** is arranged in the air flue, the burner nozzle is communicated with gas through the air flue, the air flue is provided with a solenoid **valve** and a front **valve** of the burner nozzle, and the fan, the ignition controller, the temperature controller and the touch screen are all connected with corresponding ports of the PLC controller. According to the utility model, electronic components are prevented from being directly positioned in a high-temperature environment, the heat preservation and the security are both improved, simultaneously the gas is used for heating so as to save electric energy, and the cost is lower.

13/19 © EPODOC / EPO

- PN - [US2002066370](#) A1 20020606
- PNFP - US6468332 B2 20021022
- PR - IT2000MI02648 20001206
- AP - US20010862353 20010521
- DT - **
- CT - (B2)
[US5322701](#) A []; [US5515994](#) A [];
[US5766660](#) A []; [US5891223](#) A [];
[US5988414](#) A []; [US6056439](#) A [];
[US6095356](#) A []; [US6217639](#) B1 []
- CCI - [B65D77/225](#) ; [B65D81/267](#)
- CCA - [Y02C10/06](#) ; [Y02C10/08](#)
- PA - (B2)
 GOGLIO SPA LUIGI MILANO [IT]
- TI - (A1 B2)
 SELECTIVE **DEGASSING VALVE** FOR CONTAINERS OF AROMATIC OR ODOROUS PRODUCTS, SUCH AS COFFEE AND THE LIKE
- AB - (A1 B2)
 A one-way **degassing valve** (4) for containers of aromatic products such as coffee and the like, comprising a **valve body** (5, 6), a **valve element** (12) and a **filter layer** (17), comprising a selective **filter layer** (21a), preferably consisting of activated charcoal, which allows the passage of low molecular weight gases, such as

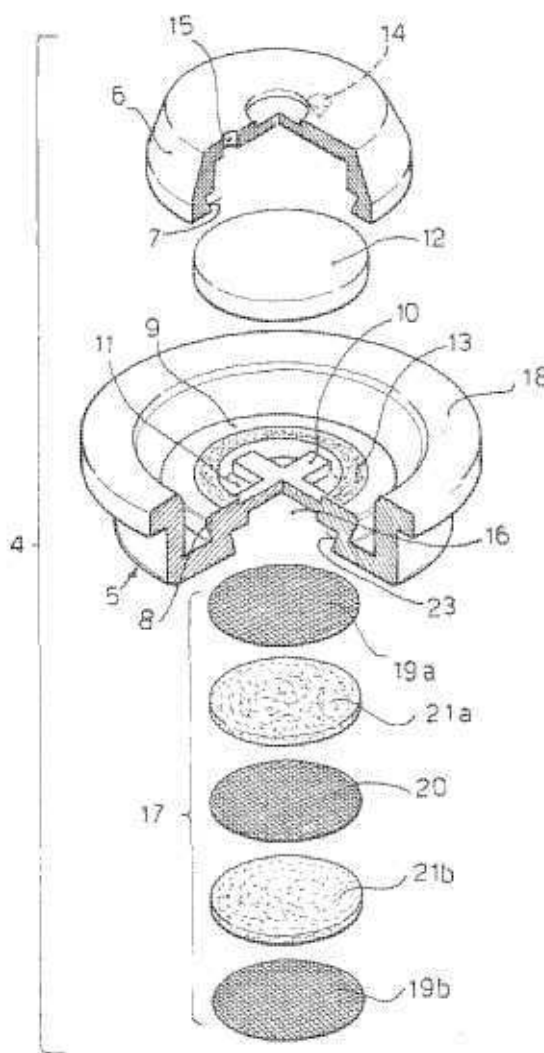


FIG. 1

carbon dioxide, and retains high molecular weight gases that constitute the product's aroma, and an oxygen and CO₂ adsorbing **layer** (21b), able to eliminate the residual oxygen present in the container and suitably reduce the amount of CO₂.

14/19 © EPODOC / EPO

PN - [RU2157347](#) C2 20001010

PR - RU19980118944 19981019

AP - RU19980118944 19981019

DT - I

PA - EHKOSTAR NAUTEK AOZT

TI - METHOD OF PREPARATION OF PLUGGING BRINES FROM NATURAL MINERALIZED WATERS AND PLANT FOR ITS EMBODIMENT

AB - oil producing industry. SUBSTANCE: method is based on concentration of natural waters whose main component is sodium chloride by electrodialysis with production of dialyzate and concentrated brines. Electrodialysis is carried out by galvanostatic method with current density of 150-200 A/sq. m to brine density of 1100-1110 kg/cu.m. Dialyzate flow with salt content of 4.0- 4.5 kg/cu. m is divided into two flows with quantitative ratio governed by content of carbonate and bicarbonate ions in composition of initial mineralized water. Flow smaller in volume is directed to three-route electrodialyzer where conversion of sodium chloride is conducted to produce acid and alkali solutions. Alkali solution is supplied to stage of water treatment including **degassing** and aeration of water. Acid solution flow is mixed with mineralized flow before its galvanostatic electrodialysis. Brine obtained after electrodialysis is subjected to evaporation to produce saturated brine used in preparation of heavy plugging solutions. Salt solutions are evaporated due to utilization of heat produced by combustion of associated gas in direct contact with brine in foam **layer**. In course of **degassing**, at stage of water preparation gas phase in form of, mainly, methane is separated from water and used as fuel for preparation of heat carrier. During aeration of senomanian water, it is purified from iron and also from organic impurities when underlying water is used, which is produced together with oil production. Plant includes casing string, pump for transfer of mineralized water, device for brine production with high concentration of salts and based on electrodialysis apparatus, vessels for accumulation of concentrated salt solution and dialyzate, device for production of acid and alkali solutions and vessels for their accumulation, evaporator for production of saturated brine, desalting device for further potentiostatic demineralization of dialyzate obtained in galvanostatic electrodialysis of initial water. Provided also are **degasser**-settler, aerator-flotator and **filter** for separation of iron hydroxide and solid suspended matter, and slime accumulator. All apparatus are interconnected with pipelines and **valves** and provided with pumps for transfer of process solutions and brine. **Filter** included in plant equipment is in form of metal case accommodating collector and vertical cylindrical **filter** element. EFFECT: provided

production of plugging brines with maximum salt concentration from natural mineralized waters and with minimum power consumption. 7 cl, 7 dwg, 5 tbl, 8 ex

15/19 © EPODOC / EPO

- PN - [MXPA01007829](#) A 20020617
- PR - IT2000MI02648 20001206
- AP - MX2001PA07829 20010802
- DT - I
- CCI - [B65D77/225](#) ; [B65D81/267](#)
- CCA - [Y02C10/06](#) ; [Y02C10/08](#)
- PA - GOGGIO SPA LUIGI MILANO [IT]
- TI - SELECTIVE **DEGASSING VALVE** FOR CONTAINERS OF AROMATIC OR ODOROUS PRODUCTS, SUCH AS COFFEE AND THE LIKE.
- AB - A one-way **degassing valve** (4) for containers of aromatic products such as coffee and the like, comprising a **valve** body (5, 6), a **valve** element (12) and a **filter** (17), comprising a selective **filter layer** (21a), preferably consisting of activated charcoal, which allows the passage of low molecular weight gases, such as carbon dioxide, and retains high molecular weight gases that constitute the product's aroma, and an oxygen and CO₂ adsorbing **layer** (21b), able to eliminate the residual oxygen present in the container and suitably reduce the amount of CO₂.

16/19 © EPODOC / EPO

PN - [JP2002179121](#) A 20020626
 PNFP - JP4959885B B2 20120627
 PR - IT2000MI02648 20001206
 AP - JP20010283252 20010918
 DT - I
 CCI - [B65D77/225](#) ; [B65D81/267](#)
 CCA - [Y02C10/06](#) ; [Y02C10/08](#)
 FI - B01D53/14&B; B01D53/14&311;
 B65D51/16; B65D51/16&A;
 B65D51/16&B; B65D81/20&B;
 B65D81/26&R; B65D81/26&T
 FT - 3E067/AA02; 3E067/AB81;
 3E067/AB96; 3E067/AB97;
 3E067/BA12A; 3E067/CA04;
 3E067/EE25; 3E067/GB05;
 3E067/GB13; 3E067/GB14;
 3E067/GD01; 3E067/GD02;
 3E084/AA05; 3E084/BA02;
 3E084/CA01; 3E084/CB02;
 3E084/FA09; 3E084/JA01;
 3E084/JA04; 3E084/KA04;
 3E084/KA09; 4D020/AA02;
 4D020/BA04; 4D020/BB01;
 4D020/CA01; 4D020/CC07;
 4D020/CC15; 4D020/CD03;
 4D020/DA01; 4D020/DB04
 PA - (A)
 GOGGIO SPA LUIGI MILANO [IT]
 TI - (A)
 SELECTIVELY **DEGASSING VALVE**
 FOR USE IN CONTAINER FOR
 AROMATIC OR SMELLY PRODUCT
 AB - (A)
 PROBLEM TO BE SOLVED: To
 provide a **degassing valve** for use
 in a container for an aromatic/
 smelly product which can reduce
 an amount of oxygen or carbon
 dioxide remaining in the
 container which receives the
 aromatic/smelly product to
 prevent an aroma or smell from
 scattering from the container.
 SOLUTION: The **degassing valve**
 includes a base plate 5 and a
 cap 6, a diaphragm 12, and

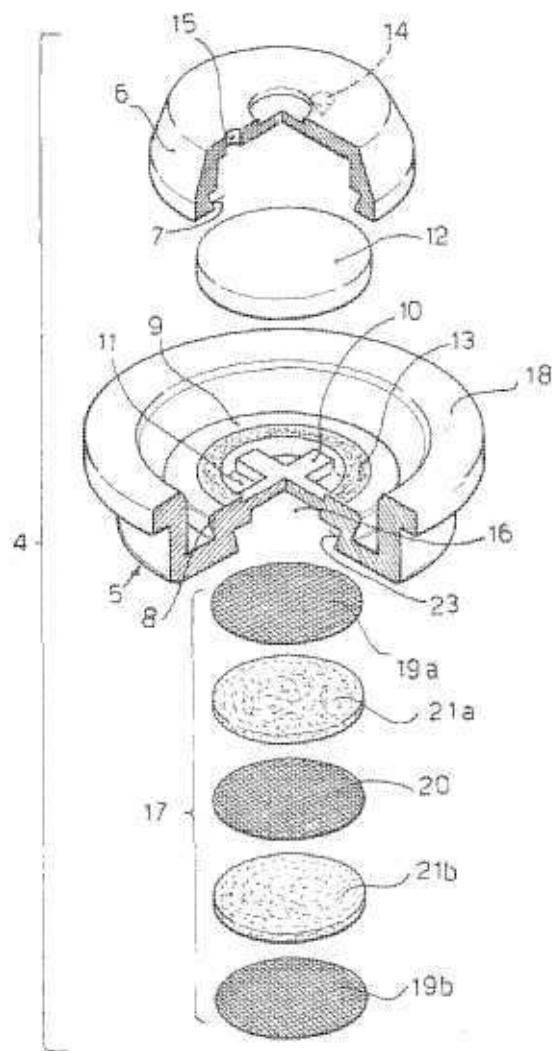


FIG. 1

a **filter** 17. The **filter** 17 includes a selective filtering **layer** 21a which causes light weight molecules such as carbon dioxide to pass through and heavy weight molecules constituting an odor of the product to remain, and an oxygen/carbon dioxide absorbing **layer** 21b which removes oxygen remaining in the container and appropriately reduces the amount of carbon dioxide.

PN - [EP1213228](#) A1 20020612
 PNFP - EP1213228 B1 20040616
 PR - IT2000MI02648 20001206
 AP - EP20010116597 20010710
 DT - *; Rep
 CT - || STSE (A1)
 [EP0659657](#) B1 19980107
 [DA] (GOGLIO LUIGI [IT])
 [DA] 1,15
 * the whole document *;
 [EP0142903](#) A2 19850529
 [A] (DOUWE EGBERTS TABAKSFAB
 [NL])
 [A] 1,15
 * page 1, line 1 - line 25 *
 CCI - [B65D77/225](#) ; [B65D81/267](#)
 CCA - [Y02C10/06](#) ; [Y02C10/08](#)
 PA - (A1 B1)
 GOGLIO SPA LUIGI MILANO [IT]
 TI - (A1 B1)
 Selective **degassing valve** for
 containers of aromatic or
 odorous products, such as coffee
 and the like
 AB - (A1)
 A one-way **degassing valve** (4) for
 containers of aromatic products
 such as coffee and the like,
 comprising a **valve body** (5, 6),
 a **valve element** (12) and a **filter**
 (17), comprising a selective **filter**
 layer (21a), preferably consisting
 of activated charcoal, which
 allows the passage of low
 molecular weight gases, such as
 carbon dioxide, and retains high
 molecular weight gases that
 constitute the product's aroma,
 and an oxygen and CO2
 adsorbing **layer** (21b), able to
 eliminate the residual oxygen
 present in the container and
 suitably reduce the amount of
 CO2. <IMAGE>

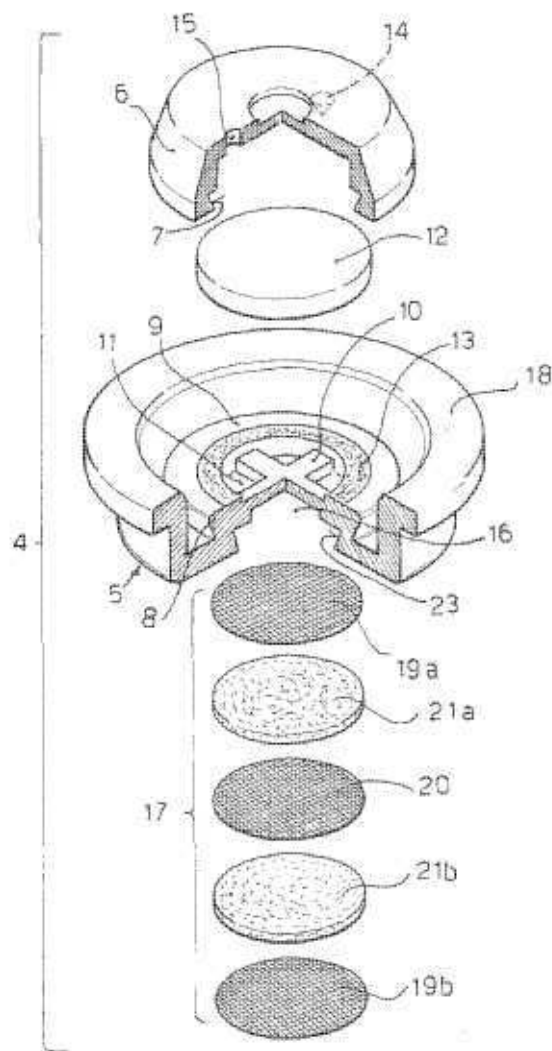


FIG. 1

PN - [CN2774611Y](#) Y 20060426

PR - CN2005216922U 20050420

AP - CN2005216922U 20050420

DT - I

PA - LIU LINPEI [CN]

TI - Vacuum **degassing** tank

AB - The utility model relates to a vacuum **degassing** tank which is composed of a tank body, a sealing head, a water inlet pipe and a water outlet pipe. The vacuum **degassing** tank is characterized in that the inner part of the tank body is laterally provided with a buoyant board with a hole in an elliptical sealing head type. A **layer** of micropore **filter** screen is arranged on the buoyant board, and the periphery of the buoyant board is provided with angle steel support rings. A water inlet electromagnetic **valve** connected with a spray pipe is arranged on the water inlet pipe, and a water outlet electromagnetic **valve** and a vacuum water pump are arranged on the water outlet pipe. The ends of the water outlet pipe are connected with a water suction bell mouth and a gas baffle of a water suction pipe, and the top of the sealing head is provided with a vacuum meter and an exhaust pipe on which an automatic exhaust **valve** is arranged. The utility model has the advantages that the utility model can replace heating power deoxidization equipment, sponge iron deoxidization equipment and other chemical drug deoxidization equipment to reduce environmental pollution, the deoxidization cost is greatly reduced and is generally a quarter of that of other deoxidization methods, and the utility model can prolong the service life of a hot water pipe system, enhance the heat transfer efficiency of heat exchange equipment, and eliminate or reduce the noise and the air resistance phenomenon of the pipe system. The vacuum **degassing** tank is suitable for vacuum **degassing** tanks in hot water systems, such as heating devices, air conditioners, etc.

- PN - [CA2354727](#) A1 20020606
- PNFP - CA2354727 C 20081223
- PR - IT2000MI02648 20001206
- AP - CA20012354727 20010803
- DT - I
- CCI - [B65D77/225](#) ; [B65D81/267](#)
- CCA - [Y02C10/06](#) ; [Y02C10/08](#)
- PA - (A1 C)
GOGLIO SPA LUIGI MILANO [IT]
- TI - (A1)
SELECTIVE **DEGASSING VALVE** FOR
CONTAINERS OF AROMATIC OR
ODOROUS PRODUCTS , SUCH AS
COFFEE AND THE LIKE
- (C)
SELECTIVE **DEGASSING VALVE** FOR
CONTAINERS OF AROMATIC OR
ODOROUS PRODUCTS, SUCH AS
COFFEE AND THE LIKE
- AB - (A1)
A one-way **degassing valve** (4) for
containers of aromatic products
such as coffee and the like,
comprising a **valve body** (5, 6),
a **valve element** (12) and a **filter**
(17), comprising a selective **filter**
layer (21a), preferably consisting
of activate d charcoal, which
allows the passage of low
molecular weight gases, such as
carbon dioxide, and retains high
molecular weight gases that
constitute the product's aroma,
and an oxygen and CO2
adsorbing **layer** (21b), able to
eliminate the residual oxygen
present in the container and
suitably reduce the amount of
CO2.
- (C)
A one-way **degassing valve** (4) for
containers of aromatic product
such as coffee and the like,
comprising a **valve body** (5, 6),
a **valve element** (12) and a **filter**
(17), comprising a selective **filter**
layer (21a), preferably consisting

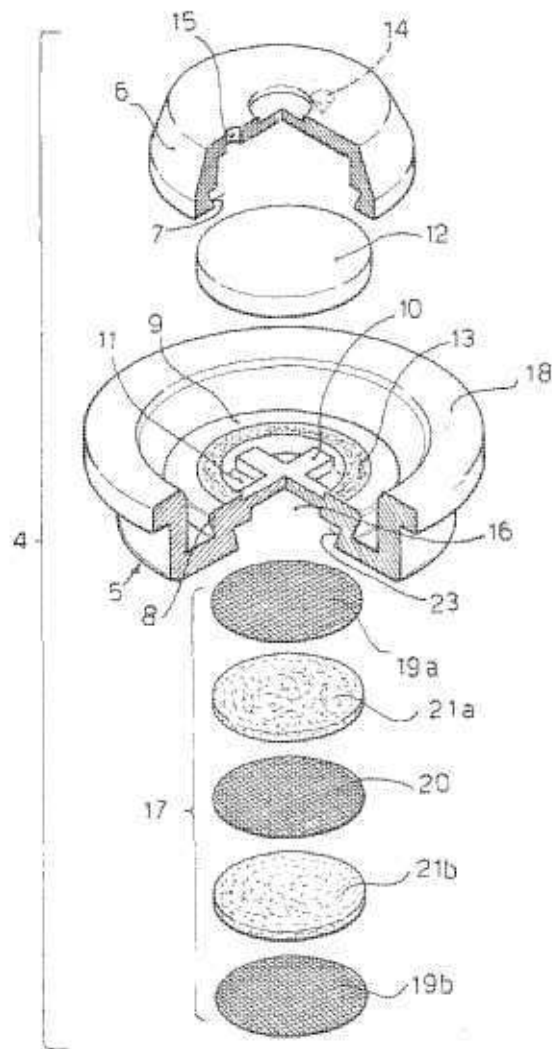


FIG. 1

of activated charcoal, which allows the passage of low molecular weight gases, such as carbon dioxide, and retains high molecular weight gases that constitute the product's aroma, and an oxygen and CO₂ adsorbing **layer** (21b), able to eliminate the residual oxygen present in the container and suitably reduce the amount of CO₂.

[SS 8]