

Search query (4): (FN=(41792009 OR 43140010 OR 44080037 OR 16452059 OR 41924072 OR 34510129 OR 47375150 OR 47336163 OR 47870190 OR 17225190 OR 1607190 OR 48358224 OR 12707314 OR 28371344 OR 29093399 OR 23302416 OR 17304425 OR 32206584 OR 47027621 OR 41121694 OR 33608710 OR 41090783 OR 1681823 OR 43138839 OR 1673852 OR 33470866 OR 16136897 OR 16218905 OR 41147928 OR 17272960 OR 32447977 OR 32447979 OR 51165990))

Results: 33

Search history

Search FT=(saver* and water*) (Results 8163)

1:

Search (1) AND IPC=(E03) (Results 682)

2:

Search (2) AND IPC=(E03 OR B05 OR G05) (Results 682)

3:

Search (FN=(41792009 OR 43140010 OR 44080037 OR 16452059 OR 41924072 OR 34510129 OR 47375150 OR 47336163 OR 47870190 OR 17225190 OR 1607190 OR 48358224 OR 12707314 OR 28371344 OR 29093399 OR 23302416 OR 17304425 OR 32206584 OR 47027621 OR 41121694 OR 33608710 OR 41090783 OR 1681823 OR 43138839 OR 1673852 OR 33470866 OR 16136897 OR 16218905 OR 41147928 OR 17272960 OR 32447977 OR 32447979 OR 51165990)) (Results 33)

1) Family number: 41792009 (CN201050097Y)

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Title: Pressurization water-saving device for domestic toilet

Abstract: The utility model discloses a water saver for a domestic washing room. The problem that the common water saver which has low outfall pressure and bad flushing effect is solved by a water saver which increases the water outlet pressure, comprising a water tank, a filter screen, a water outlet pipe, a pressure pump (3) which is assembled and fixed in the water tank (1). An air rod (4) of the pressure pump (3) is connected with a piston (22); a water inlet and a water outlet are arranged on the bottom of the cavity (6); a unidirectional valve (5) or a controller (26) is arranged on the water inlet; a water outlet pipe (7) connected with the toilet is connected with the water outlet; a unidirectional valve (19) or a controller (21) is arranged in the water outlet pipe (7) on the water outlet. The utility model has reasonable design, simple structure, convenient usage and installation and high recovery utilization rate. The tap water and the wastewater are used separately, realizing saving water and reducing sewage discharge. The water outlet pressure is increased for washing the toilet in the washing room.

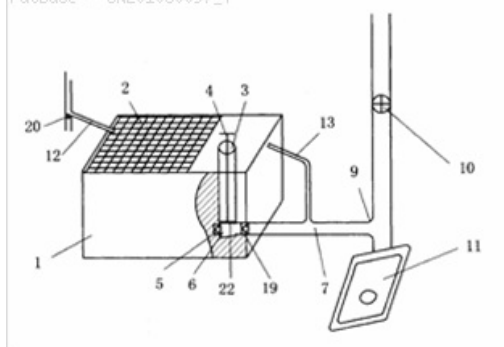
Classifications:

International (IPC 8-9): E03C1/12 E03D11/11

E03D5/01 (Advanced/Invention);

E03C1/12 E03D11/02 E03D5/00 (Core/Invention)

PatBase - CN201050097_Y



Family:

Publication number	Publication date	Application number	Application date
CN201050097 Y	20080423	CN200720104730U	20070618

Priority:

CN200720104730U 20070618

Probable Assignee:

Assignee(s): (std):

XIYUAN SONG

Assignee(s):

XIYUAN SONG

Inventor(s): (std):

SONG XIYUAN

Inventor(s):

XIYUAN SONG

SONG XIYUAN

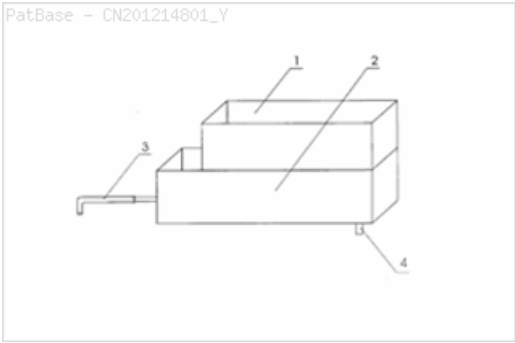
2) Family number: 43140010 (CN201214801Y)

© PatBase

Title: Three-step water saving device

Abstract: The utility model relates to a water saving facility. A known pour-flushlatrine, in particular to a communal toilet is directly flushed by tap water which seriously wastes resources and is not ideal. The utility model provides a three-step type water saver which consists of a hand washing pool, a mop pool and a toilet flushing pipeline; the utility model is characterized in that the hand washing pool with higher steps is arranged inside or outside the toilet; the secondary step mop pool is then arranged outside the water outlet of the hand washing pool; the water outlet of the mop pool is communicated with the toilet flushing pipeline; the bottom of the mop pool is provided with a sand discharge pipe. When in use, the hand washing water in the hand washing pool is firstly stored in the mop pool; when the toilet needs to be flushed, the rest water in the mop pool after sand discharge passes through the toilet flushing pipeline for flushing the toilet. The water saving facility has a simple structure, is conveniently used and has a good water saving effect.

Classifications:
International (IPC 8-9): E03C1/12 E03C1/14 E03C1/18
E03D11/11 (Advanced/Invention);
E03C1/12 E03C1/18 E03D11/02 (Core/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN201214801 Y	20090401	CN200820063649U	20080603

Priority:
CN200820063649U 20080603

Probable Assignee: FEI LIU

Assignee(s): (std): FEI LIU

Assignee(s): LIU FEI

Inventor(s): (std): FEI LIU

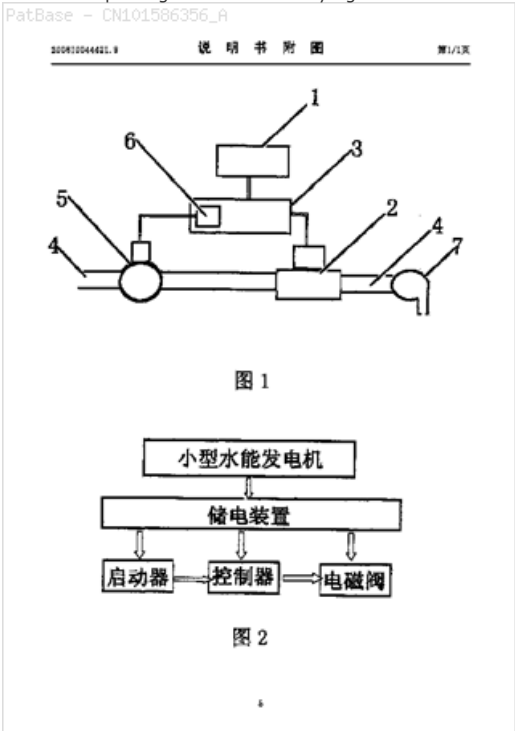
Inventor(s): LIU FEI

3) Family number: 44080037 (CN101586356A) © PatBase

Title: WATER SAVER AND POWER SUPPLY PROVISION METHOD

Abstract: The invention relates to a water saver and a power supply provision method. The water saver comprises a water outlet device, a starter and an electromagnetic valve which are electrically connected with a controller to control the switching-on and switching-off of the electromagnetic valve. A minitype water energy generator is connected in series near a water pipe channel connected with the water saver; when tap water is utilized to flow through the small-sized water energy generator, the minitype water energy generator converts the kinetic energy of the tap water into the electric energy and stores the electric energy into a capacitor or a rechargeable battery arranged in the controller to provide the electric energy for the water saver for normal working; the water saver not only can provide the electric energy for water savers of households in cities for normal working for free, but also saves the troubles of replacing batteries and laying electric wires.

Classifications:
International (IPC 8-9): A47K3/28 E03C1/02 E03D13/00 E03D5/10
F03B13/10 F16K31/04 (Advanced/Invention);
A47K3/28 E03C1/02 E03D13/00 E03D5/00 F03B13/00
F16K31/04 (Core/Invention)
CPC: Y02B10/50 Y02E10/22 Y02A20/414
European: Y02B10/50 Y02E10/22



Family:

Publication number	Publication date	Application number	Application date
CN101586356 A	20091125	CN200810044421	20080521

Priority:
CN200810044421 20080521

Probable Assignee: PIJUN ZHAO

Assignee(s): (std): PIJUN ZHAO

Assignee(s): ZHAO PIJUN

Inventor(s): (std): PIJUN ZHAO

Inventor(s): ZHAO PIJUN

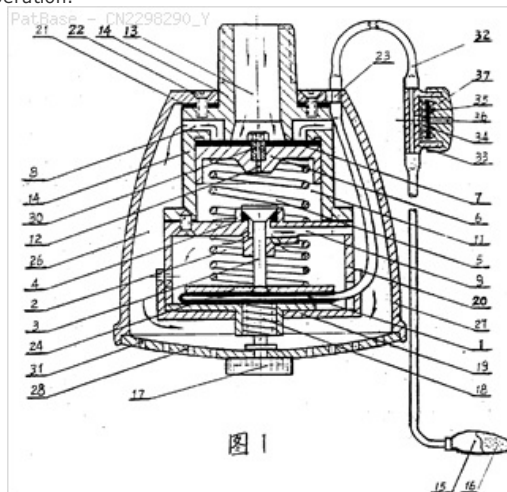
Title: Multipurpose water saver

Abstract: The utility model provides a multipurpose water saving device which is used for a shower tap or a sink tap. The utility model is provided with a pneumatic device which is composed of a gas sac, a leather hose, a breather valve, and a gas bag. The utility model is characterized in that a liquid cylinder and a gas cylinder are arranged in a shower head; a valve is opened to discharge pressure through a valve core rod which is controlled by the gas sac in the gas cylinder; water pressure pushes a piston in the liquid cylinder to be communicated with a water inlet and a water outlet. When the utility model is closed, the gas bag is loosened, and water flow is cut off through the piston under the action of dual seal caused by the pressure of a spring and the action of the difference between inner pressure and outer pressure of the piston. The utility model has the advantage that a sealing piece (such as the class of leather bowls) is structurally removed and also has the advantages of difficult wear and leakage and portable and reliable operation.

Classifications:

International (IPC 8-9): E03C1/05 (Advanced/Invention);
E03C1/05 (Core/Invention)

International (IPC 1-7): E03C1/05



Family:

Publication number	Publication date	Application number	Application date
CN2298290 Y	19981125	CN19942039523U	19941025

Priority:

CN19942039523U 19941025

Probable Assignee: CHEN XINSHENG

Assignee(s): (std): CHEN XINSHENG

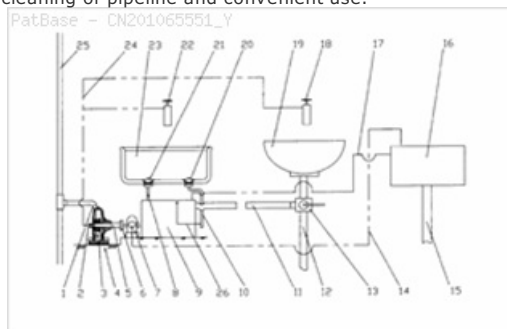
Inventor(s): (std): CHEN XINSHENG ; XINSHENG CHEN

Title: Household water saver

Abstract: The utility model discloses a water saving device, in particular to a household water saving device used for the collection and reutilization of wastewater produced by family kitchen sink and washbasin, which comprises a kitchen sink (23), a washbasin (19), a water storage tank (9), a water pump (7) and a water feeding pipe (14); wherein, the water storage tank (9) is connected with the kitchen sink (23) and the drainage outlet of the washbasin (19); the water outlet of the water pump (7) is connected with one end of the water feeding pipe (14); the utility model is characterized in that the water pump (7) is connected with and driven by the rotating wheel mechanism (4); the rotating wheel mechanism (4) is provided with a water inlet (1) of the rotating wheel mechanism and a water outlet (2) of the rotating wheel mechanism, wherein the water inlet (1) is connected with a tap water main pipe (25), and the water outlet (2) is connected with a plurality of water valves (22, 18) positioned above the kitchen sink (23) and the washbasin (19). The storage or direct emission can be chosen according to the specific condition of wastewater while in use. The utility model has the advantages of water saving, no electric energy consumption during water saving period, no frequent cleaning of pipeline and convenient use.

Classifications:

International (IPC 8-9): E03C1/12 (Advanced/Invention);
E03C1/12 (Core/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN201065551 Y	20080528	CN200720013471U	20070724

Priority:

CN200720013471U 20070724

Probable Assignee: ZUOJIN YAN
Assignee(s): (std): ZUOJIN YAN
Assignee(s): YAN ZUOJIN
Inventor(s): (std): ZUOJIN YAN
Inventor(s): YAN ZUOJIN

6) Family number: 34510129 (CN2887971Y)

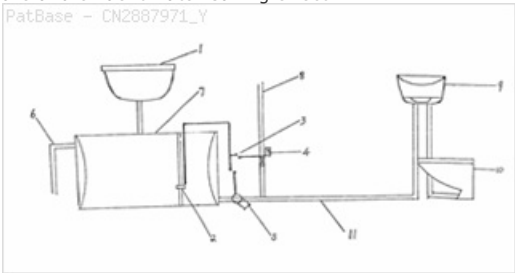
© PatBase

Title: Waste water utilizing water-saver

Abstract: The utility model provides a wastewater recycling water-saving device, which comprises a washing basin, a toilet cistern and a toilet. The utility model is characterized in that a water storage tank communicated with the washing basin is provided below the washing basin, the toilet cistern is communicated with the bottom of the water storage tank through a water conveying pipe, a limiting device is arranged in the water storage tank, a water pump is equipped above the water conveying pipe, a tap water pipe is connected with the water conveying pipe between the water pump and the toilet cistern, the tap water pipe is provided with an electromagnetic valve, the limiting device is connected with the electromagnetic valve and water pump through conductive wires providing with a control switch. The utility model is simple in structure, easy in assembling, has good performance of automation, high flushing pressure and evident water-saving effect.

Classifications:

International (IPC 8-9): E03C1/14 E03D1/24 E03D11/11
 G05D9/12 (Advanced/Invention);
 E03C1/12 E03D1/24 E03D11/02 G05D9/00 (Core/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN2887971 Y	20070411	CN200620083210U	20060412

Priority:

CN200620083210U 20060412

Probable Assignee: CHEN YONGZHI
Assignee(s): (std): CHEN YONGZHI
Inventor(s): (std): CHEN YONGZHI
Inventor(s): YONGZHI CHEN

7) Family number: 47375150 (KR200229713Y)

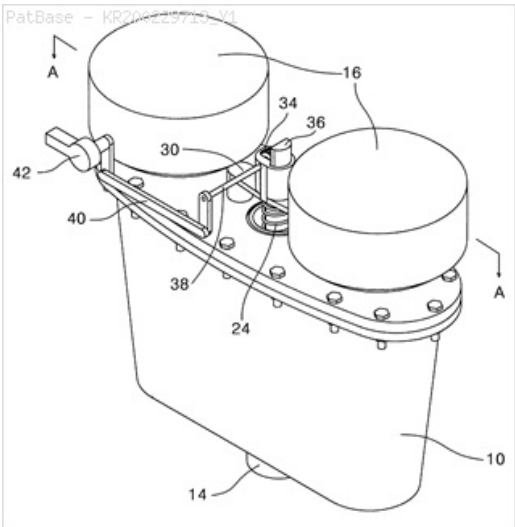
© PatBase

Title: Integrated flush toilet water saving device (Machine translation)

Abstract: Source: KR200229713Y **Machine translation:** This devise is water for the water tank of the toilet flush toilet toilet flushing air being compressed when stored by the action of discharging the wash water is to be discharged to the high-pressure state is also a small amount of water can be washed to clean the foreign matter so that relates to a water-saving device of flush toilets. Is stored in the water tank of the conventional toilet water saving device is composed so as to reduce the amount of water discharged during washing operation because there is a problem that do not sufficiently. The present invention is drawn to a tap water wash water is drained from the water supply sphere is formed in the lower, respectively the drain water saving water tank and the water saving water tank detachably on the upper side of the tank, which is installed on the drain valve for opening and closing the valve and the top wall of the water tank is vertically extended to the upper side through the water saver exposed to air link through the valve lever that is connected to the handle, the valve lever acts as a resilient force to the spring by yirueojim including water saving water tank for cleaning the water which is stored in the top of the air is discharged to the high-pressure state during cleaning after a while, even small amounts of water that can be cleaned of foreign matter, the toilet, there is an advantage that the design. Toilets, water-saving group, air tank,

Classifications:

International (IPC 8-9): E03D1/30 (Advanced/Non-invention)
International (IPC 1-7): E03D1/30



Family:

Publication number	Publication date	Application number	Application date
KR200229713 Y1	20010719	KR20000036188U	20001222

Priority:

KR20000036188U 20001222

Probable Assignee:

YANGYOUNGMO

Assignee(s):

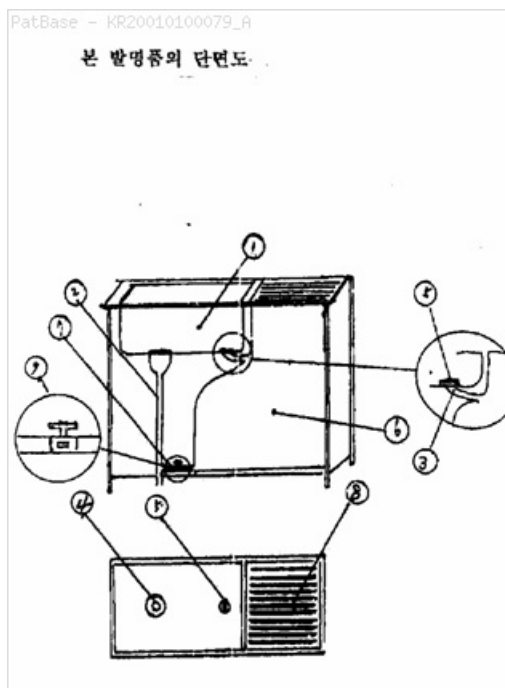
YANGYOUNGMO

8) Family number: 47336163 (KR20010100079A)

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Title: WATER SAVING TYPE SINK

Abstract: Source: KR20010100079A **Machine translation:** In the present design of the everyday home or premises 343 that occurs when the kitchen tap water for washing dishes wasting tendency, much as secondary kitchen, flows through a relatively clean water since the Haenggum are stored under the water without sending a design that can be reused. To prepare for the lack of water in the future's kitchen, wasting homes or businesses relatively clean tap water to rinse water after the second row to store and install a separate reservoir to improve existing warewashing (sink) separately stored in two or more drains and connection to the device can be designed. Thus, the mixture material primary row of rinsing water as it flows that are relatively clean after that was "printed wiring board" are haenggum. As the configuration of the present invention constitutes a stainless steel next to wash the dishes to configuring the secondary reservoir water after the send haenggum haenggum under the water drain pipe and configured trough the water reservoir and configured to combine the dishes Drying. Depending on the position of the reservoir was configured to use positive. Due to the present invention compared to the wisdom of life as 2002 from the lack of clear of the second imaginary the Haenggum stores all the water recycling the water or tap of the flushable side for saving (?); and two or more 3. Therefore purveying city water saving at the point of use, the narrow places an even burden was to enable sufficient device. The floor groaned under the water saver type. sink. drying reservoir. drainage pipe.

Classifications:**International (IPC 8-9):** E03C1/12 (Advanced/Non-invention)**International (IPC 1-7):** E03C1/12**CPC:** E03C1/12**Family:**

Publication number	Publication date	Application number	Application date
KR20010100079 A	20011114	KR20010057387	20010913

Priority:

KR20010057387 20010913

Probable Assignee:

CHOI JAE SEUNG

Assignee(s): (std):

CHOI JAE SEUNG

Inventor(s): (std):

CHOI JAE SEUNG

9) Family number: 47870190 (KR19980009683A)

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Title: 2 toilet drain (Machine translation)

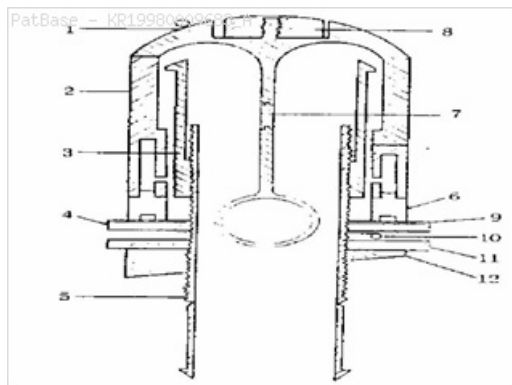
Abstract: Source: KR19980009683A **Machine translation:** The toilet in the toilet bowl drainage is a two-stage, the first drainage of conventional drainage in the clean up confirmed as follows. 1. 1: large, urine, such as the scheme is drained, most of the displacement. 2. In a two-stage approach: the first stage step in the method of the second siphon tube, further equipped with a rubber seal in a manner using the difference, to drain the water, the urine to distinguish may reduce the displacement difference when draining the urine, and then the waste water in the proper amount of water is a disadvantage that is not filled in the toilet bowl, torso, handle the siphon cover, the first and second rubber packing is composed of multiple pieces, such as the structure is complicated. 3. Aid: in order to reduce the quantity of water, urine, Joan, when draining the water saver-to, and then the waste water an appropriate water it has the disadvantage that do not fill the bowl-bottle filled with water to install or put such a brick, or float used to adjust a low liquid level. The toilet down the second stage of the two-stage drainage device having a new structure and development of drainage to the maximum the function of each component,

1. When the first switch (1) to drain urine and the lowest point (PP) drained from the second of the second stage of the system than in the prior art can be drained to the high pressure, the effect of reducing the amount of water is larger. 2. The first control unit 6 and the display device (4) according to each of the toilet, urine to the displacement of the reducing agent in the optimum amount can be adjusted by adjusting the amount it is possible to reduce the amount of water. 3. The third regulator (8) by installing the conventional two-stage method or the regulator, and then the waste water at the time of drainage is not populated in the proper water can compensate for the drawback that toilet. 4. The structure is simple and is easy to install, rubber seal replacement because the remaining part of only one replacement can be recycled operation is convenient. Therefore become increasingly insufficient in practical use, and the environment, the water is tap water cost savings, sewage treatment, reduce power consumption, etc. of the recycled for parts replacement when installing the core part is very large ripple effect.

Classifications:

International (IPC 8-9): E03D1/34 (Advanced/Non-invention)

International (IPC 1-7): E03D1/34



Family:

Publication number	Publication date	Application number	Application date
KR19980009683 A	19980430	KR19980004869	19980218
KR980009683 A	19980430	KR19980004869	19980218

Priority:

KR19980004869 19980218

Probable Assignee:

GIMNAMBOK

Assignee(s):

GIMNAMBOK

10) Family number: 17225190 (CN2039324U)

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Title: WATER SAVER

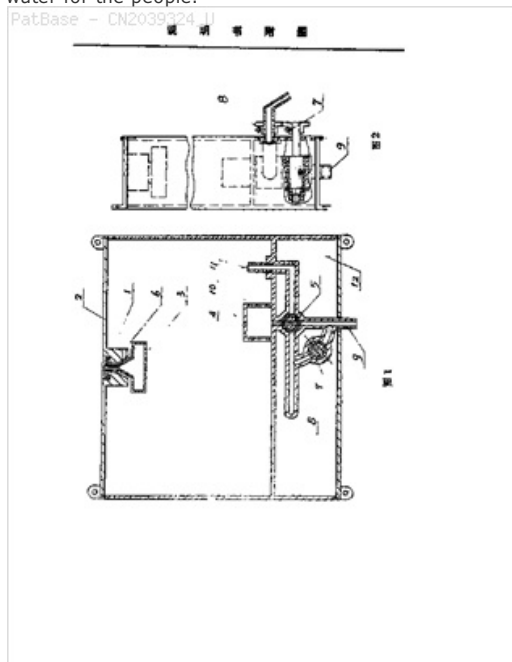
Abstract: The utility model relates to a water saving device, which can proceed the quantitative water supply, and can automatically stop the water supply when the user forgets to shut a water tap. Accordingly, the water saving device can obtain the goal of saving the water. The water saving device is characterized in that the water saving device is composed of a box body and a four-way valve. The water saving device which can be widely used for public spaces, such as a station, a hotel, a school, etc can provide the water for washing or the drinking water for the people.

Classifications:

International (IPC 8-9): E03B11/02 (Advanced/Invention);

E03B11/00 (Core/Invention)

International (IPC 1-7): E03B11/02



Family:

Publication number	Publication date	Application number	Application date
CN2039324 U	19890614	CN19882009847U	19880817

Priority:

CN19882009847U 19880817

Probable Assignee: WANG GUANG

Assignee(s): (std): WANG GUANG

11) Family number: 1607190 (CN2617824Y)

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Title: Automatic water saver

Abstract: The utility model relates to a full automatic water saving apparatus, which is applicable for the positions with intermittent water supply in the daytime and no water supply in the night, particularly fit for the water supply for the urinals in lavatories of gentlemen and the pit type manure pool. The utility model comprises a fluid signal combiner, a tipping barrel, a buoy barrel, a buoy, a whirling arm, a signal acquisition device, a signal flow restrictor, a water collecting bucket, a tap, an inlet tube, an outlet tube, and a shell; the utility model is characterized in that signals are acquired directly from the back and forth of (as stated in the text) the water tap and driven to flow to the tipping barrel, water is poured into the buoy barrel and compels the buoy ascending when the tipping barrel is filled, and strikes and impels the whirling arm to rotate 90 degrees, due to the rise of the water pressure in the night, the signal acquisition device acquires signals and make the signals of the fluid signal combiner fail to militate with the tipping barrel, and the goal of stopping the water supply in the night is realized, whether the tap is opened or not. The apparatus has a peculiar conception and a reasonable structure with no need for the reconstruction for the pit type manure pool and no need for man managements, and can realize the water saving. In addition, the water resource consumption is very low with 2 to 3.5 cubic meters per 30 days according to the experimental determination.

Classifications:

International (IPC 8-9): E03B1/02 E03B7/07 (Advanced/Invention);

E03B1/00 E03B7/00 (Core/Invention)

International (IPC 1-7): E03B1/02 E03B7/07

Family:

Publication number	Publication date	Application number	Application date
CN2617824 Y	20040526	CN20012026218U	20010605

Priority:

CN20012026218U 20010605

Probable Assignee:

WANG MING

Assignee(s): (std):

WANG MING

Inventor(s): (std):

WANG MING

Inventor(s):

MING WANG

12) Family number: 48358224 (CN101979786A)

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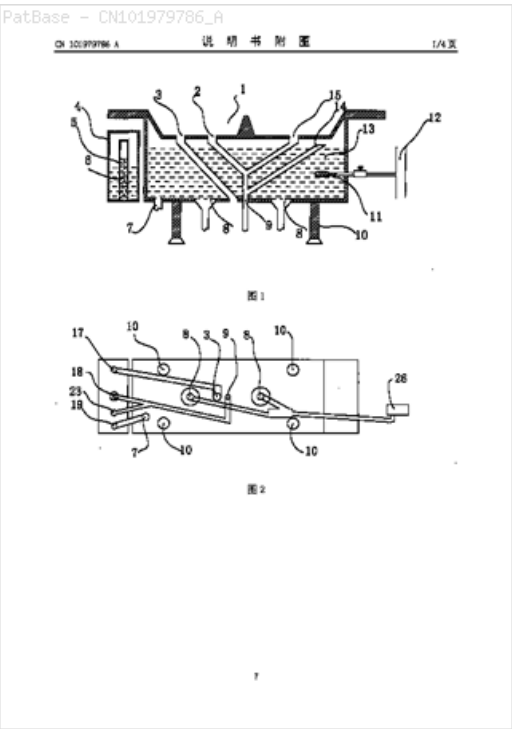
Title: MULTIFUNCTIONAL WATER SAVER

Abstract: The invention discloses a multifunctional water saver. The multifunctional water saver comprises a washing basin, a filtering device and a water storage tank positioned below the washing basin, wherein a water tap is arranged above the washing basin; a filtering device water inlet and a filtering device water outlet are formed on the filtering device; a recycled water inlet communicated with the filtering device water inlet is formed at the bottom of the washing basin; the filtering device water outlet is communicated with the water storage tank; and a filtered water outlet communicated with a toilet water tank is formed at the bottom of the water storage tank. The multifunctional water saver has the advantages that: 1, the device is simple, is convenient to install and can be popularized and applied to occasions, such as households, schools, institutions and the like; 2, a water pump is not arranged, but the water pressure is increased by an opening increasing method, so that the normal use is guaranteed, the water resource is saved, the electrical energy is saved, noise pollution is avoided, and the water saver is suitable for use; and 3, the filtering device adopts a double filtration mode, the filtration effect is good, the filtering device can be directly cleaned by clear water of the water tap, and the filtering device also can be completely drawn out and is convenient to clean.

Classifications:

International (IPC 8-9): E03C1/12 E03C1/14

E03D1/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN101979786 A	20110223	CN201010530467	20101104
CN101979786 B	20120502	CN201010530467	20101104

Priority:

CN201010530467 20101104

Probable Assignee:

MAOXING ZHANG

Assignee(s): (std):

MAOXING ZHANG

Assignee(s):

ZHANG MAOXING

Inventor(s): (std):

MAOXING ZHANG

Inventor(s):

ZHANG MAOXING

13) Family number: 12707314 (FR2701501A)

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Title: Saver device for a water flushing apparatus

Abstract: The invention relates to a device making it possible to make savings by delivering the appropriate amount of water at the appropriate time into the tank of a WC water flushing apparatus. It consists of a device (3) for sensing the presence of the user (3), which pneumatically actuates a presence-sensing tap (valve) (8) which delivers, via a flow limiter (12), the water necessary when the user is present, the tank (4) being empty when the user is absent. The device according to the invention may easily be added to the WC in service.

Classifications:

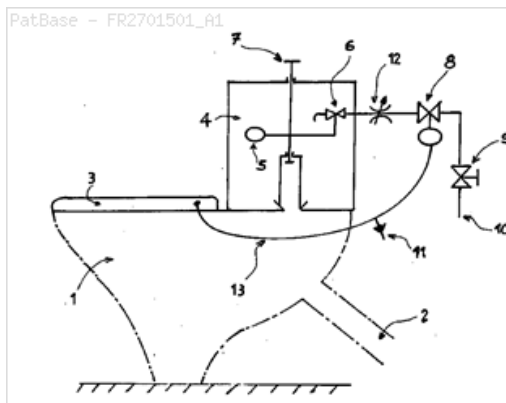
International (IPC 8-9): E03D1/18 E03D5/04 (Advanced/Invention);

E03D1/02 E03D5/00 (Core/Invention)

International (IPC 1-7): E03D5/04

CPC: E03D1/18 E03D5/04

European: E03D1/18 E03D5/04



Family:

Publication number	Publication date	Application number	Application date
FR2701501 A1	19940819	FR19930001869	19930212
FR2701501 B1	19950505	FR19930001869	19930212

Priority:

FR19930001869 19930212

Probable Assignee:

FOURNEAUX ROGER

Assignee(s): (std):

FOURNEAUX ROGER

Inventor(s): (std):

ROGER FOURNEAUX ; FOURNEAUX ROGER

14) Family number: 28371344 (KR20010096934A)

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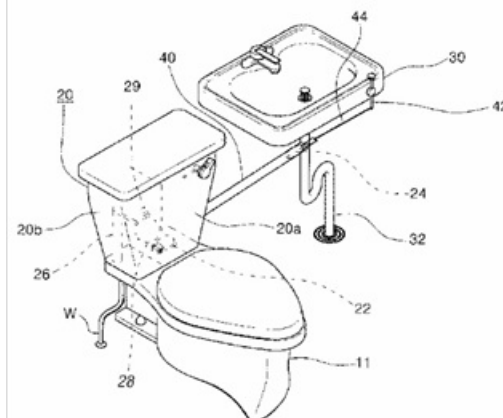
Title: FLUSH TOILET FOR SAVING WATER

Abstract: Source: KR20010096934A **Machine translation:** In the present invention is thrown away after the sink to clean washing water and wastewater and ever use life, life waste water or clean tap water only if there is no water in the water by using a water-saving formulation that can save significantly the amount relates to a toilet flush toilet water saving type according to the present invention, the drain and the drain hole is formed flush toilets for opening and closing the drain plug 22 and is provided with a main tank portion (20a) and the water supply pipe 26 and the water supply pipe 26 to control the operation of the water supply device 28 is installed, and the buoyancy through a check valve 29 is in communication with the main tank portion (20a) (20b) of the auxiliary tank is divided into the interior space; the water storage tank 20 of the reservoir 20 and configured at the bottom of the basin 30 of the body 11 and the toilet; the main tank drain pipe 32 and the water storage tank 20 is connected to the bypass pipe (20A) (24) and the effluent is discharged from the sink water storage (30) and optionally in accordance with the user operation via the by-pass pipe (24) of the water storage tank 20 into the main tank portion (20a), or sink 30 is discharged to the drain pipe 32 through the control means and the drain plug; toilet flushing pressure on the bottom of the water storage tank water to the wash water to drain plug measures such that the reduced emissions. Here, the control means is a float (401) of substantially cylindrical shape, wherein the float (401) is provided at the front end of the intermediate portion, the part the opening consists of a blocking plate (402) embedded in the bypass pipe 24, the main tank portion (20a) storage capacity in the water storage tank 20 in accordance with the moved position by the buoyancy of the float 401 is wash basins 30 of the blocking plate 402 is opening and closing the drain pipe 32 and the bypass buoyancy (40) rotatably attached to sink 30 side is the rotation lever 42 and the pivoting lever 42 and the bypass 40 of buoyancy 402 connecting the blocking plate 240 is composed of a wire 44 by the rotation of the pivoting lever (42) (40) to adjust the position of the bypass ever possible buoyancy adjustment mechanisms. In addition, the drain plug measures the drain plug 22 is located on one side of the vertical portion 501 and the water storage tank 20 is installed in the bottom of the vertical portion 501 and receiving portion 502 and the vertical portion 501 supports the upper end of the frame 50 is provided on the rail (503) consisting of a vertical portion 501 and the frame 50 fitted to be free to move up and down to pressure; the lower end of the actuator 52 and the receiving portion 502 of the frame 50, and pivotably connected to the top rail 503, the roller so as to be movable to one side of the engaging shoulder 541 is formed of a plurality of wedge-shaped structure, the pressure (52) in by the engaging shoulder 541 is pushed by being inclined in the one side by the action of the pressure in the drain plug 22 operating rod 54. Thus, according to the present invention as described above, according to the toilet flush toilet water saver-life waste water discharged in the sink being used for toilet flushing, life waste water or clean water for tap water is only if it is not, as well as the amount of wash water used but also reduce the amount of water as a result, because it has the advantage that it is drastically reduced.

Classifications:

International (IPC 8-9): E03D5/00 (Advanced/Invention);
E03D5/00 (Advanced/Non-invention);
E03D5/00 (Core/Invention)
International (IPC 1-7): E03D5/00
CPC: E03D5/003 E03D1/142 E03D1/33 E03C1/01 E03D1/003

PatBase - KR20010096934_R

**Family:**

Publication number	Publication date	Application number	Application date
KR100354526 B1	20020930	KR20000020630	20000419
KR20010096934 A	20011108	KR20000020630	20000419

Priority:

KR20000020630 20000419

Probable Assignee:

KIM JI TAE

Assignee(s): (std):

KIM JI TAE

Inventor(s): (std):

KIM JI TAE

15) Family number: 29093399 (CN2578400Y)

© PatBase

Title: Water-saver of toilet

Abstract: The utility model relates to a water saving device for flushing stool and urine, which is composed of a waste water gathering device, a disinfection device, a waste water lifting device, a water supply device, a water collecting tank, a water discharge device, a control circuit and equipment box. Domestic waste water can be filtered and lifted to the water collecting tank to be stored and sterilized under the control of a micro computer. The water in the water collecting tank is used for flushing stool and urine. When the domestic waste water is not enough, tap water can be replenished to the water collecting tank. When the domestic waste water excesses, the domestic waste water can be automatically discharged.

Classifications:

International (IPC 8-9): E03C1/12 E03D9/00 (Advanced/Invention);
E03C1/12 E03D9/00 (Core/Invention)
International (IPC 1-7): E03C1/12 E03D1/012 E03D10/12 E03D9/00

Family:

Publication number	Publication date	Application number	Application date
CN2578400 Y	20031008	CN20022046151U	20020913

Priority:

CN20022046151U 20020913

Probable Assignee:

CUI XIANQIU

Assignee(s): (std):

CUI XIANQIU

Inventor(s): (std):

CUI XIANQIU ; CUI ZIYI ; ZHAO YUNFENG

Inventor(s):

ZIYI CUI ; XIANQIU CUI ; YUNFENG ZHAO

16) Family number: 23302416 (CN2492610Y)

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Title: Household water saver

Abstract: The utility model provides a water saving device for domestic use which comprises a hand washing pool, a water tank and a water storage tank, the position of which is lower than the hand washing pool. The down-corer of the hand washing pool communicates with the water storage tank. A submersible pump is provided in the water storage tank. The outlet pipe of the submersible pump communicates into the water tank. A travel switch, which is used to control the submersible pump, is provided over the water tank. The travel switch is connected with the floating ball I which is installed at the upper part of the internal wall of the water tank. A tap water inlet pipe is provided at the bottom of the water storage tank. A valve which is controlled by a floating ball II is installed at the top of the tap water inlet pipe. The utility model can recycle domestic water, can save energy and is convenient to use.

Classifications:

International (IPC 8-9): E03C1/14 E03D5/01 (Advanced/Invention);
E03C1/12 E03D5/00 (Core/Invention)
International (IPC 1-7): E03C1/14 E03D1/012 E03D10/12 E03D5/01

Family:

Publication number	Publication date	Application number	Application date
CN2492610 Y	20020522	CN20012033261U	20010815

Priority:

CN20012033261U 20010815

Probable Assignee: LIU YUQUAN

Assignee(s): (std): LIU YUQUAN

Inventor(s): (std): LIU MING ; LIU YUQUAN ; YUQUAN LIU ; MING LIU

17) Family number: 17304425 (CN2053227U)

© PatBase

Title: HOUSEHOLD WATER SAVER

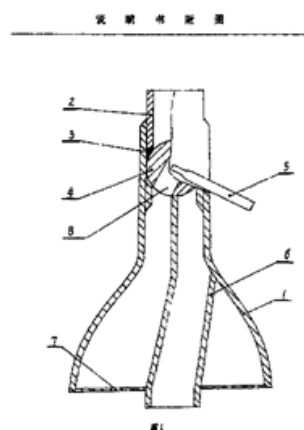
Abstract: Disclosed is a household water saving device, belonging to a jet regulator which is arranged on the outlet of a water tap. When the present household water faucet is of stop valve type is used, water flow is rapid because of pressure, sometimes inconvenience is caused by sprayed water, flushing area is small because of the centralized water flow, and water consumption is large. The utility model which provides an adjustable water saving device which integrates an ordinary water faucet and a sprinkling water faucet is composed of a housing, an end tube, a sealing ring, a ball core, a handle, etc. The water saving device which is arranged on a water saving valve type water faucet for saving the water by 15-20 percent can be arranged on the all stop valve type water faucets.

Classifications:

International (IPC 8-9): E03B7/07 F16K5/08 (Advanced/Invention);
E03B7/00 F16K5/00 (Core/Invention)

International (IPC 1-7): E03B1/02 E03B7/07 F16K5/08

PatBase - CN2053227_U



Family:

Publication number	Publication date	Application number	Application date
CN2053227 U	19900221	CN19892008531U	19890609

Priority:

CN19892008531U 19890609

Probable Assignee: HAN HONGJUN

Assignee(s): (std): HAN HONGJUN

Inventor(s): (std): HAN HONGJUN ; HONGJUN HAN

18) Family number: 32206584 (CN2705507Y)

© PatBase

Title: Energy saving water saver for low cistern

Abstract: The utility model relates to an energy saving water saver for a low water tank collecting the waste water in daily living for flushing the seat closet after filtering. The body of the device comprises a rectangle water tank 1, a rectangle washbasin 8, a filtering baffle 5, an overflow tube 4, a control valve 3 of a sewage discharging hole, a control valve 7 of a water outlet hole. The control valve 7 of the water outlet hole, a water tank for seat closet 10 and a city water control valve 12 are respectively connected into two water supplying portions by a soft tube 11 and a T-piece 9. When the waste water can not satisfy the use, the tap water supplying can be adopted with convenience, rapid speed and strong practicability and the seat closet can be flushed at any time with obvious water saving effect.

Classifications:

International (IPC 8-9): E03B7/07 E03C1/12
E03D1/24 (Advanced/Invention);

E03B7/00 E03C1/12 E03D1/24 (Core/Invention)

International (IPC 1-7): E03B7/07 E03C1/12 E03D1/24

Title: WATER-SAVING DEVICE

Abstract: The invention relates to a water-saving device. The invention aims to solve the problem of water wastage associated with personal grooming. For this purpose, the invention comprises a check valve which is screwed to the spout of a tap, the closure device of said valve comprising a cover formed by a hollow half-ball (2) joined to a disk (3) and a curved shaft (4). The disk and the seal (5) thereof rest on the seat (6) whereat the valve is closed. The curved shaft (4) is joined to the plate (7) which forms the contact zone with the hands or any other object to be cleaned and which, when pressed, inclines the cover and enables a jet of water to be released. The device does not include any springs for closure purposes, instead the cover is closed by means of the pressure exerted by the water on the parabola thereof.

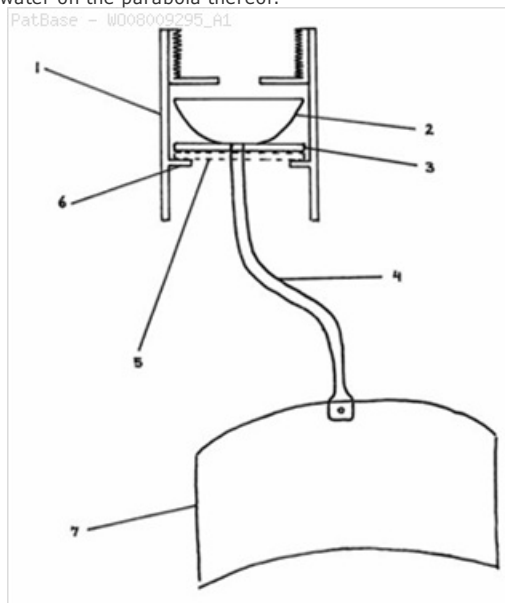
Classifications:

International (IPC 8-9): E03C1/08 (Advanced/Invention);

E03C1/02 (Core/Invention)

CPC: E03C1/0404 E03C1/086

European: E03C1/04D E03C1/086

**Family:**

Publication number	Publication date	Application number	Application date
WO08009295 A1	20080124	WO2006EC00005	20060719

Priority:

WO2006EC00005 20060719

Probable Assignee: ARBOLEDA CEPEDA WILSON RENE

Assignee(s): (std): ARBOLEDA CEPEDA WILSON RENE ; SHIMABUKURO OSHIRO ALBERTO

Inventor(s): (std): SHIMABUKURO OSHIRO ALBERTO

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW 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 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 SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

21) Family number: 33608710 (CN2830525Y)

Title: Full auto matic water pumping and accumulating water saver

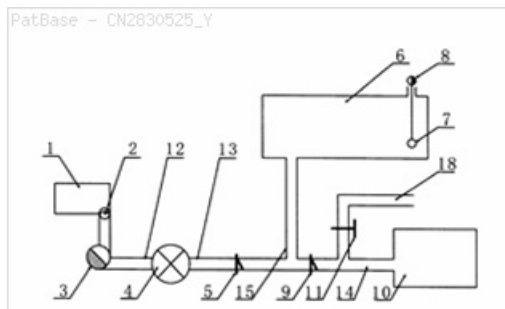
Abstract: The utility model discloses a full automatic water pumping and energy storing water saver. A water supply pipe 12 of a water pumping pump is connected with a water collecting groove 1 and a water pumping pump 4, one end of a water service pipe 13 of the water pumping pump is connected with the water pumping pump 4, and the other end of the water service pipe 13 is respectively connected with a water storage tank 6, a water supply pipe 15 and a water supply pipe 14 of a device for flushing toilets through a three-way pipe; the water supply pipe 14 of the device for flushing toilets is respectively connected with the water storage tank 6 and a tap water pipe 18 through the three-way pipe; a power switch 3 of a mould box of the water groove and a power switch 8 of a mould box of the water storage tank are serially connected with the terminal of a power supply of the water pumping pump 4. The utility model can be used for collecting domestic water, after the domestic water is filtered and deodorized, the domestic water can be used for flushing the toilets; thus, the utilization ratio of the water can be improved, and the use quantity of the clean tap water can be reduced to really achieve the purpose of water saving; the utility model also has the advantages of simple structure, convenient installation, low cost, convenient use, easy popularization, etc.

Classifications:

International (IPC 8-9): E03C1/12 E03D1/00

G05D9/12 (Advanced/Invention);

E03C1/12 E03D1/00 G05D9/00 (Core/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
CN2830525 Y	20061025	CN200520035817U	20051021

Priority:

CN200520035817U 20051021

Probable Assignee:

JIA HUOQING

Assignee(s): (std):

JIA HUOQING

Inventor(s): (std):

JIA HUOQING

Inventor(s):

HUOQING JIA

22) Family number: 41090783 (CN200971531Y)

© PatBase

Title: WATER SAVER

Abstract: A new water saving device is provided. The utility model comprises a hand basin (1), a filter screen (2), a first water storage tank (3), a second water storage tank (4), and a deposition cock, which is characterized in that the hand basin (1) is provided with the filter screen (2), and the first water storage tank (3), the second water storage tank (4), the deposition cock (5) and a water receiving bucket (6), having the beneficial effects of that the tap water used for washing hand in the basin is sent to the filter screen (2) for filtering, and then to the first water storage tank (3) for another filtering; and the relatively heavy articles in the water deposit into the lower part of the first storage tank (3), while the relatively light water flows into the second water storage tank (4) and then flow out from the deposition cock (5) for reuse.

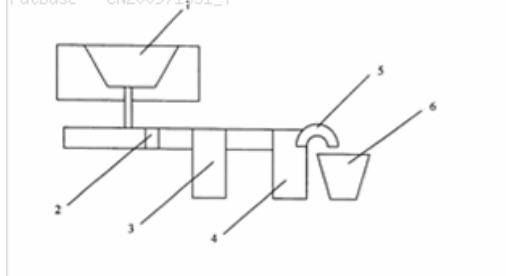
Classifications:

International (IPC 8-9): C02F1/00 E03B11/02 E03C1/12 E03C1/14 E03C1/264 (Advanced/Invention);

C02F1/00 E03B11/00 E03C1/12 E03C1/26 (Core/Invention)

CPC: Y02A20/106

PatBase - CN200971531_Y

**Family:**

Publication number	Publication date	Application number	Application date
CN200971531 Y	20071107	CN200620138642U	20060919

Priority:

CN200620138642U 20060919

Probable Assignee:

BI JING

Assignee(s): (std):

BI JING

Inventor(s): (std):

BI JING

Inventor(s):

JING BI

23) Family number: 1681823 (CN2632164Y)

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Title: Toilet water saver flushing by used washbasin water

Abstract: The utility model provides a toilet water saver flushing by used washbasin water, which comprises a hollow pipe with a screw button on lower end, a prolonging support frame, an adjustable hollow large cap top thread, a long top pole button, a spring, a magnet and a floating ball. The utility model is characterized in that a penetrating eye is arranged on one side of a primary water tank to introduce a draining pipe of a lavabo into the water tank. An eye hole is arranged on the cover of the water tank to fix the apparatus. When the magnet on the floating ball of a valve switch of a water charging device is sucked with the large cap top thread, the valve of the water charging device is closed and the tap water stop filling water into the water tank, thereby saving space for a water charging box for saving water of the lavabo. When the magnet on the floating ball of a valve switch of a water charging device is broken with the large cap top thread, the valve of the water charging device is opened to recover the water supply into the water tank. The utility model has the advantages that the part of the precious water resource is used at second time and the supply and demand pressure of lacking water resource in middle-large city is eased, thereby reducing the purification cost of city dirty water and expenditure of city residents.

Classifications:

International (IPC 8-9): E03C1/12 E03D1/012 (Advanced/Invention); E03C1/12 E03D1/00 (Core/Invention)

International (IPC 1-7): E03C1/12 E03D1/012

Family:

Publication number	Publication date	Application number	Application date
CN2632164 Y	20040811	CN20032066951U	20030709

Priority:

CN20032066951U 20030709

Probable Assignee:

GONG LIANSAN

Assignee(s): (std):

GONG LIANSAN

Inventor(s): (std):

GONG LIANSAN

Inventor(s):

LIANSAN GONG

24) Family number: 43138839 (CN201214799Y)

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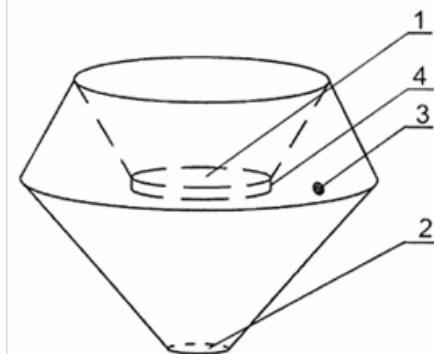
Title: Water saving device

Abstract: The utility model discloses a water saver which is characterized in that the water inlet of the water saver is larger than a water outlet; the upper end of the outer wall of the water saver is provided with a through hole; the surface of the through hole is provided with a corresponding net; the water inlet of the water saver is provided with an elastic rubber ring. The water saver after being arranged on a water tap can effectively save the resource of water, has a simple structure, is easily manufactured and is conveniently used.

Classifications:

International (IPC 8-9): E03C1/086 (Advanced/Invention);
E03C1/02 (Core/Invention)

PatBase - CN201214799_Y



Family:

Publication number	Publication date	Application number	Application date
CN201214799 Y	20090401	CN200820119794U	20080627

Priority:

CN200820119794U 20080627

Probable Assignee:

YAN WANG

Assignee(s): (std):

YAN WANG

Assignee(s):

WANG YAN

Inventor(s): (std):

YAN WANG

Inventor(s):

WANG YAN

25) Family number: 1673852 (CN2630327Y)

© PatBase

Title: Hygenic water-saver

Abstract: The utility model relates to a new-type sanitary water saving device consisting of a container connected with the water discharge outlet of a tap. The device comprises a water inlet passage (1), a water discharge switch (2) reaching out of the container, and a water driving impeller (3) communicated with the water inlet passage (1); the water driving impeller (3) drives a gear (4) to rotate via a gear drive assembly, the gear (4) meshes and drives a water saving plate (5); and the water discharge switch (2) is upwards connected with a valve rod (6), and the valve rod (6) stretches upwards to cross the water saving plate (5), and is provided with a water blocking steel ball (7) at the top end. The water blocking steel ball (7) just contacts the top surface of the water saving plate (5), and an offsetting spring (8) is arranged between water blocking steel ball (7) and the top surface of the container. When using, the water discharge outlet is manually pressed upwards, and the water discharge switch (2) will push the water blocking steel ball (7) to go above the water saving plate (5), the impeller (3) will rotate and propel the drive mechanism to act, and water will flow out of the water discharge switch (2); and when the water saving plate (5) rotates by one round to return to the original position, the water blocking steel ball (7) will come back to the original position via the elastic force of an offsetting spring, and the water discharge switch (2) will be closed to fulfill the purpose of quantifying the water supply, ensure safety and hygiene, and effectively prevent cross infection of bacteria.

Classifications:

International (IPC 8-9): E03C1/05 (Advanced/Invention);

E03C1/05 (Core/Invention)

International (IPC 1-7): E03C1/05

Family:

Publication number	Publication date	Application number	Application date
CN2630327 Y	20040804	CN20032064986U	20030623

Priority:

CN20032064986U 20030623

Probable Assignee:

LIN WENYAO

Assignee(s): (std):

LIN WENYAO

Inventor(s): (std):

LIN WENYAO

Inventor(s):

WENYAO LIN

26) Family number: 33470866 (CN2823363Y)

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Title: Water saver for toilet

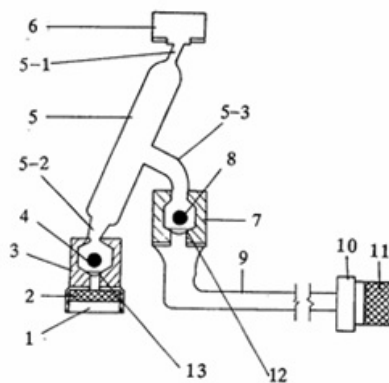
Abstract: The utility model provides a water saver of a toilet, which is characterized in that an interface of a toilet cistern is connected with a water outlet of a mixed water spraying device, and a water inlet of the mixed water spraying device is connected with a tap water interface through a check valve; a water sucking port of the mixed water spraying device is connected with a soft pipe and a regenerated water interface through a check valve, and the inner cavity of the check valve is a columnar cavity which is coaxial with a path of a valve body; a steel ball is arranged in the cavity, and the lower end of

the cavity is provided with a spherical groove matched with the steel ball; the utility model solves the inconvenience of flushing washrooms by using domestic waste water and the problem of insalubrity, saves water resources, and has the advantages of simple structure, easy fabrication and low cost.

Classifications:

International (IPC 8-9): E03C1/12 E03D1/32 (Advanced/Invention);
E03C1/12 E03D1/30 (Core/Invention)

PatBase - CN2823363_Y



Family:

Publication number	Publication date	Application number	Application date
CN2823363 Y	20061004	CN200520027103U	20050823

Priority:

CN200520027103U 20050823

Probable Assignee:

WU ZAISHI

Assignee(s): (std):

WU ZAISHI

Inventor(s): (std):

WU ZAISHI

Inventor(s):

ZAISHI WU

27) Family number: 16136897 (CN2407044Y)

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Title: Environment protecting water saver

Abstract: The utility model relates to an environment protecting water saving device. A waste water storage tank and a closet water tank are connected together by a water pump and a water pipe. An electromagnetic valve is installed on a tap water pipe of the closet water tank, and a controller is used for controlling the water pump and the electromagnetic valve. When the closet water tank has no water, the water pump is started by the controller to pump the water in a waste water pool into the closet water tank, or the electromagnetic valve is opened to supply tap water to the closet water tank. The environment protecting water saving device has full automatic control, water pump priority, and very convenient use. The utility model is an environmental protecting device for families to effectively use waste water.

Classifications:

International (IPC 8-9): E03C1/12 (Advanced/Invention);

E03C1/12 (Core/Invention)

International (IPC 1-7): E03C1/12

Family:

Publication number	Publication date	Application number	Application date
CN2407044 Y	20001122	CN20002027007U	20000103

Priority:

CN20002027007U 20000103

Probable Assignee: ZHOU XIANG

Assignee(s): (std): ZHOU XIANG

Inventor(s): (std): HONG ZHOU ; XIANG ZHOU ; ZHOU HONG ; ZHOU XIANG

28) Family number: 16218905 (CN2429576Y)

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Title: Automatic water saver

Abstract: The utility model relates to an automatic saver and is a water saving device which is suitable for families, hotels and restaurants of area which is scant of water and locations having conditions. After waste water is precipitated and filtered, clear water is filled and stored in a container for need, and the utility model can automatically remove pollution. When the waste water is not sufficient to use, cleaning can be automatically supplemented with tap water. The utility model has the advantages of reassurance, labor saving, water saving, money economization, economic benefits, and environmental protection benefits.

Classifications:

International (IPC 8-9): E03B11/04 E03C1/122 (Advanced/Invention);

E03B11/00 E03C1/122 (Core/Invention)

International (IPC 1-7): E03B11/04 E03C1/122

Family:

Publication number	Publication date	Application number	Application date
CN2429576 Y	20010509	CN20002035632U	20000626

Priority:

CN20002035632U 20000626

Probable Assignee: WU LIUSHENG
Assignee(s): (std): WU LIUSHENG
Inventor(s): (std): LIUSHENG WU ; WU LIUSHENG

29) Family number: 41147928 (CN101086175A)

© PatBase

Title: Multifunctional foam water saver

Abstract: The invention discloses a multifunctional foam water-saving device, it integrates the multifunctional balance baffle and foam-generator integral device, the multifunctional foaming liquid automatic matching system, the air pump, the nano-polymer aeration device, the toilet seat bottom trapezoidal space, the space laying air pump and the circuitry arrangement into a water-saving foam plugging and water flush dual-purpose equipment just like the principal of 'motor' to replace the closet, and it competes the toilet seat bad odour plugging task through the foam plugging technology, at last it realizes the water-saving target of 1/3-1/2 life tap water is saved.

Classifications:

International (IPC 8-9): E03D5/00 E03D9/00 (Advanced/Invention);
E03D5/00 E03D9/00 (Core/Invention)

Family:

Publication number	Publication date	Application number	Application date
CN101086175 A	20071212	CN200610044718	20060608
CN101086175 B	20120418	CN200610044718	20060608

Priority:

CN200610044718 20060608

Probable Assignee: BEIJING TANGJIE CITY ENERGY CONSERVATION AND ENVIROMENTS PROT SCIENCE AND TECHNOLOGY DEV CO LTD

Assignee(s): (std): BEIJING TANGJIE CITY ENERGY CONSERVATION AND ENVIROMENTS PROT SCIENCE AND TECHNOLOGY DEV CO LTD ; DESHENG WANG

Assignee(s): WANG DESHENG ; BEIJING TANGJIE CITY ENERGY CONSERVATION AND ENVIROMENTS PROTECTION SCIENCE AND TECHNOLOGY DEVELOPMENT CO

Inventor(s): (std): DESHENG WANG

Inventor(s): WANG DESHENG

30) Family number: 17272960 (CN2140921Y)

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Title: ADJUSTABLE WATER SAVER

Abstract: The utility model relates to a scattering adjustable water-saving device for a water tap. The improved adjustable water-saving device for a water tap can efficiently eject large water stream and scattering flow without being disassembled. The scattering adjustable water-saving device is provided with a fixed scattering sleeve (1) and an adjustable scattering sleeve (2), and the center of the bottom of the adjustable scattering sleeve is provided with a conical hole (8) which is matched with a conical surface arranged at the bottom of the fixed scattering sleeve; the switching of the conical hole is adjusted by the screw connection of the two sleeves.

Classifications:

International (IPC 8-9): E03C1/086 (Advanced/Invention);
E03C1/02 (Core/Invention)

International (IPC 1-7): E03C1/086

Family:

Publication number	Publication date	Application number	Application date
CN2140921 Y	19930825	CN19922023001U	19920520

Priority:

CN19922023001U 19920520

Probable Assignee: GU JINBAO

Assignee(s): (std): GU JINBAO

Inventor(s): (std): GU JINBAO ; JINBAO GU

31) Family number: 32447977 (CN2740679Y)

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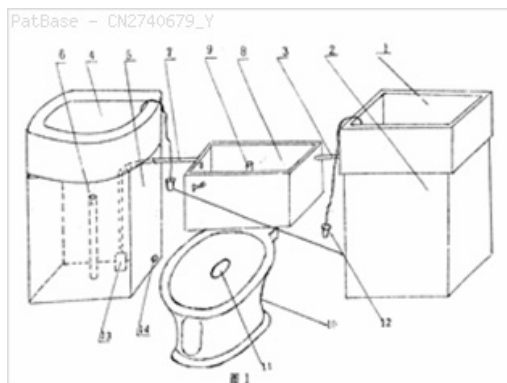
Title: Re-utilizing energy saver of used water

Abstract: The utility model discloses a re-utilizing energy saver of used water, which is mainly composed of a washing tank, a syringing tank, a water filtering pipe of the washing tank, a water filtering pipe of the syringing tank, a water tank seat of the syringing tank, a water pump, a latrine water tank, a latrine, plugs, etc., wherein one side of the washing tank and one side of the syringing tank are respectively provided with one water filtering pipe and one plug, and each water filtering pipe is connected and communicated with the latrine water tank; the used water flowing in the latrine water tank by the filtering pipes is used to wash the latrine again; the water in the bottom seat of the water tank of the syringing tank is pumped by the water pump in the latrine water tank by the filtering pipes; the plugs are used for plugging the filtering pipes and a sewer pipe and regulating the water flow direction of secondary used water; when the latrine needs to be washed, the sewer pipe can be plugged; when the water is too much or the latrine does not need to be washed, the filtering water pipes can be plugged; other devices of the latrine water tank is as same as the latrine only sealing an original tap water through pipe. The device has the advantages of simple structure, convenient use, non-increasing space, low cost and high energy saving.

Classifications:

International (IPC 8-9): E03C1/12 (Advanced/Invention);
E03C1/12 (Core/Invention)

International (IPC 1-7): E03C1/12 E03C1/14 E03C1/18 E03D1/24



Family:

Publication number	Publication date	Application number	Application date
CN2740679 Y	20051116	CN200420063122U	20040713

Priority:

CN200420063122U 20040713 CN20042063122U 20040713

Probable Assignee: LIU HAO

Assignee(s): (std): LIU HAO

Inventor(s): (std): LIU HAO ; LIU NANNAN ; WU XIAOLI

Inventor(s): XIAOLI WU ; NANNAN LIU ; HAO LIU

32) Family number: 32447979 (CN2740681Y)

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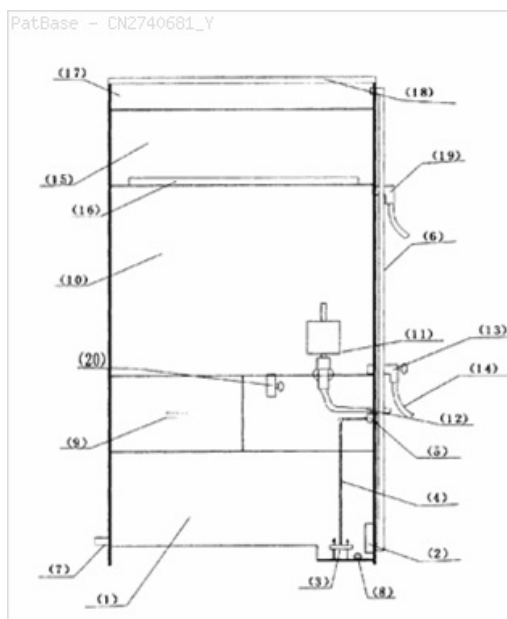
Title: Re-utilizing water saver of household wastewater

Abstract: The utility model discloses a re-using water saving device for household wastewater. Water is automatically fed by automatically opening a float 3 or closing a power supply switch 5. Wastewater after double filtration is used for secondary use. When wastewater lacks, a tap water automatic feeding water valve 11 can automatically feed water to ensure the water supply for cleaning floors and mops and flushing closets. The domestic wastewater enters a wastewater reclamation box 1 by a wastewater reclamation switch 7, the float 3 floats by the wastewater to drive a drive rod 4 to turn on the power supply switch 5, a pump 2 starts to work and supplies water by a wastewater feeding water pipe 6, the wastewater can reach a thin filter box 15 by a thick filter net box 17 and enters a water storage tank 10 to store after filtered by a thin filter pad 16, and the wastewater enters a closetool water tank by a water outlet switch 13 and a water pipe 14. When the water level of the water storage tank is higher than a water overflow pipe 19, the wastewater of a higher part can overflow from the water overflow pipe and flow into a sewer. When a mop and a floor are flushed, a flush switch 20 at the bottom of the water storage tank is opened, and a water pipe is connected. When wastewater of the wastewater reclamation box is used up, the float automatically descends to turn off a power supply, and the pump stops work. When water in the water storage tank is not used, tap water can pass through a water inlet pipe 12 connected to a tap water pipe, and the tap water automatic feeding water valve 11 automatically feeds water to the water storage tank. When the water lacks or is powered off, a movable water box cover 18 can be opened to directly pour wastewater in the thick filter box. When the wastewater reclamation box is cleaned, a drainage water discharging switch 8 can be opened to discharge wastewater. A toilet paper storage box 9 can be used for lodging clean toilet paper.

Classifications:

International (IPC 8-9): E03C 1/12 (Advanced/Invention); E03C 1/12 (Core/Invention)

International (IPC 1-7): E03B 11/02 E03C 1/12 E03D 1/24



Family:

Publication number	Publication date	Application number	Application date
CN2740681 Y	20051116	CN200420087035U	20040807

Priority:

CN200420087035U 20040807 CN20042087035U 20040807

Probable Assignee: TU ZUHUA

Assignee(s): (std): TU ZUHUA

33) Family number: 51165990 (WO13160513A1)

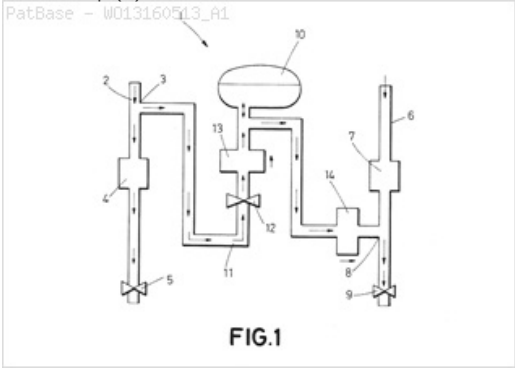
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Title: WATER-SAVING DEVICE FOR HOT WATER UNIT

Abstract: The invention relates to a water-saving device for hot water units, of the type that prevents water from being wasted during the time it takes the water to reach the desired temperature. The device is characterized in that it comprises the following components disposed in succession, namely: at least one hot water pipe (2) which is coupled to the hot water circuit of the unit and which incorporates a first T-part (3) for diverting the water, a first pressure regulator device (4) which reduces the pressure with respect to the pressure in the unit, and a hot water tap (5).

Classifications:

International (IPC 8-9): E03B1/04 E03B7/04 F16K11/00
F24D17/00 (Advanced/Invention)
CPC: F24D17/0094 E03B1/048 E03B7/045 F24D2220/0278
Y02A20/411



Family:

Publication number	Publication date	Application number	Application date
EP2843317 A1	20150304	EP20130780707	20130424
EP2843317 A4	20151216	EP20130780707	20130424
ES1077038 UA	20120528	ES20120030462U	20120427
ES1077038 Y1	20120829	ES20120030462U	20120427
WO13160513 A1	20131031	WO2013ES70264	20130424

Priority:

ES20120030462 20120427 ES20120030462U 20120427 WO2013ES70264 20130424

Probable Assignee: PELEGERO ALMENARA FRANCISCO

Assignee(s): (std): PELEGERO ALMENARA FRANCISCO ; RODRIGO MARTORELL RAFAEL

Assignee(s): FRANCISCO PELEGERO ALMENARA ; RAFAEL RODRIGO MARTORELL

Inventor(s): (std): PELEGERO ALMENARA FRANCISCO ; RODRIGO MARTORELL RAFAEL

Inventor(s): FRANCISCO PELEGERO ALMENARA ; RAFAEL RODRIGO MARTORELL

Agent(s): DIAZ DE BUSTAMANTE Y TERMINEL ISIDRO; DIAZ DE BUSTAMANTE ISIDRO

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW 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