

Diego Gonzalez

Search history

Search 1: gray and water and tank and rain and shower and washer (Results 59)
Search 2: STAC=(gray and water and tank and rain and shower and washer) (Results 0)
Search 3: STAC=(gray and water and tank and rain and shower) (Results 6)
Search 4: STAC=(gray and water and tank and rain and sand and gutter*) (Results 0)
Search 5: stac=(water and tank and rain and sand and gutter*) (Results 26)
Search 6: stac=(water and tank and rain and sand and tramp) (Results 0)
Search 7: stac=(water and tank and rain and sand and trap) (Results 18)

Title: HEAT ENERGY RECAPTURE AND RECYCLE AND ITS NEW APPLICATIONS

Abstract: What has been created is a plurality and a variety of processes and a variety of devices correspondingly supportive to each process, wherein, a new partnership between; (1) a heat absorbing radiator compressed air pipes/tubes and (2) a gas turbine engine or a reciprocating piston engine, -is used to recapture and reconvert the, otherwise wasted, heat energies expelled by engines, by factories, by smelting plants, by distillation plants, by chillers/coolers/freezers, by cooking ovens, by lamps/stoves, by trash burners, and the heat energies created by the solar heat on the desert/ocean **water**, -into electric power and finally into hydrogen-deuterium fuel, -by having the engine's tailpipes submerged in cold compressed air inside the heat absorbing radiator pipes in reverse air flow, to further drive and re-drive the same engine; wherein, in order to capture fusion heat energy the hydrogen bomb is detonated in the deep ocean to catch the flames by the **water** and the hot **water** is used to energize the compressed air inside the heat absorbing radiator pipes; wherein, in order to produce fusion energy, an abundant electric arc is passed across liquid deuterium or across gaseous deuterium by the electro-plasma torch and sparkplug in the internal combustion engine, and by detonating a dynamite inside a liquid deuterium; wherein diamond is produced by placing carbon inside the hydrogen bomb; and wherein, deuterium fusion flame is used first in smelting glass to large sizes before running an engine.

Classifications:

International (ipc 8-9): B01D61/10 B63B1/10 B63B1/12 B63B35/00 B63B35/44 B63B39/06 B63B43/06 B63G1/00 B63G8/30 B63H19/02 B63H9/06 B63H9/10 B63J3/00 B64C31/04 B64C31/06 E02B3/06 F01K13/00 F01K23/10 F01K27/00 F02C1/00 F02C1/05 F02G5/00 F03B13/18 F03D11/04 F03D5/00 F03D5/04 F03G7/00 F24F5/00 F24F6/14 F28D5/00 (Advanced/Invention);

B63B1/24 B63J1/00 F24F1/00 (Advanced/Non-invention); B01D61/02 B63B1/00 B63B35/00 B63B35/44 B63B43/00 B63H9/00 B63J3/00 E02B3/06 F01K23/10 F01K27/00 F02C1/00 F02G5/00 F03B13/00 F03D5/00 F03G7/00 (Core/Invention)

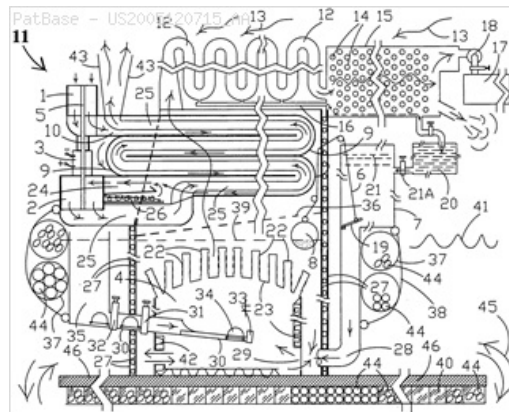
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CPC: B63H9/06 B63H9/1021 F05D2260/212 F01K27/00 F02C1/05 F03G7/00 Y02T50/672 Y02T50/676 B63B1/121 Y02W10/33 Y02W10/37 B63B1/107 B63B1/24 B63B39/06 B63B2039/067 B63G1/00 B63G8/30 B63H19/02 B63J1/00 C02F1/04 F05B2240/40 Y02T70/59 B63B35/00 B63B43/06 B63J3/00 E02B3/062 E02B2017/0091 F03B13/182 F03D5/04 F24F5/0035 F24F6/14

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European: B01D61/10 B63B1/10C B63B1/12B B63B35/00 B63B35/44 B63B39/06 B63B43/06 B63G1/00 B63G8/30 B63H19/02 B63H9/06 B63H9/10 B63H9/10C B63J3/00 B64C31/04 B64C31/06 E02B3/06B F01K27/00 F02C1/05 F03B13/18B2D F03D11/04 F03D5/00 F03D5/04 F03G7/00 F24F5/00C7 F24F6/14 F28D5/00 L63B1/24 L63B35/44 L63B35/44E7 L63B35/44E9 L63B39/06R L63B43/06 L63H9/10 L63J1/00 L63J3/00 M02F1/04 P02B17/00M R05B210/18 R05B240/40 R05B240/921 R05B240/922 R05B240/931 R05B260/212 R24F1/00G1 Y02B10/30 Y02B10/50 Y02B30/14 Y02B30/54D Y02E10/38 Y02E10/70 Y02E10/72L Y02E10/72N Y02E20/18 Y02T50/67B2 Y02T50/67F2 Y02T70/59

US: 114/102 114/267 114/382 114/39.1 114/39.2 114/39.26 114/39.29 114/39.31 210/136 210/170 210/259 210/321.87 244/153.00R 244/153R 244/24 405/76 415/5 416/8 417/330 417/332 60/39.01 60/506 60/618 60/618P 60/676 60/698 60/698P 60/772 62/304 62/310 62/314 623/40

**Family:**

Publication number	Publication date	Application number	Application date
AP200704109 A0	20070831	AP20070004109	20050727
AU2005325208 AA	20060727	AU20050325208	20050727
AU2005325208 BB	20120329	AU20050325208	20050727
CA2397847 AA	20040212	CA20022397847	20020812
CA2404410 AA	20040320	CA20022404410	20020920
CA2599414 AA	20070823	CA20052599414	20050727
CN101146981 A	20080319	CN200580049207	20050727
EA200701538 A1	20081030	EA20070001538	20050727
EP1851418 A1	20071107	EP20050779535	20050727
EP1851418 A4	20090513	EP20050779535	20050727
IN05612DN2007 A	20070831	IN2007DN05612	20070719
US2005120715 AA	20050609	US20050039624	20050120
US2008155985 AA	20080703	US20050795835	20050727
US4756666 A	19880712	US19840631321	19840719
US4859146 A	19890822	US19880177599	19880405
US5027735 A	19910702	US19900472753	19900131
US5052902 A	19911001	US19860820082	19860121
US5056447 A	19911015	US19880255657	19881013
US5094595 A	19920310	US19890376002	19890815
US5435259 A	19950725	US19930097655	19930727
US5507943 A	19960416	US19910811470	19911218
US6293121 BA	20010925	US19980137499	19980820
US6327994 BA	20011211	US19970999729	19971223
US8051637 BB	20111108	US20050795835	20050727
WO06078315 A1	20060727	WO2005US26793	20050727
WO06078315 C1	20061102	WO2005US26793	20050727

Priority:

US19840631321	19840719	US19840631322	19840719	US19860820082	19860121
US19880177599	19880405	US19880255719	19881013	US19880255657	19881013
US19890376002	19890815	US19900472753	19900131	US19910773680	19911008
US19910811470	19911218	US19930097655	19930727	US19950506335	19950725
US19970058062P	19970905	US19970999729	19971223	US19980137499	19980820
CA20022397847	20020812	CA20022404410	20020920	PH20040000148	20040325
US20050039624	20050120	US20050795835	20050727	WO2005US26793	20050727

Probable Assignee: CHRISTIAN SCHOOL OF TECHNOLOGY CHARITABLE FOUNDATION TRUST

Assignee(s): (std): CHRISTIAN SCHOOL OF TECHNOLOGY ; CHRISTIAN SCHOOL OF TECHNOLOGY CHARITABLE FOUNDATION TRUST ; CHRISTION SCHOOL OF TECHNOLOGY ; LABRADOR GAUDENCIO A ; LABRADOR GAUDENCIO AQUINO ; GAUDENCIO LABRADOR ; LABRADOR GAUDENCIO

Assignee(s): CHRISTION SCHOOL OF TECHNOLOGY CHARITABLE FOUNDATION TRUST ; CHRISTION SCHOOL OF TECHNOLOGY CHARITABLE FOUNDATI ; CHRISTIAN SCHOOL OF TECHNOLOGY CHARITABLE

Inventor(s): (std): LABRADOR GAUDENCIO AQUINO ; LABRADOR GAUDENCIO A ; CHRISTIAN SCHOOL OF TECHNOLOGY

Inventor(s): CHRISTIAN SCHOOL OF TECHNOLOGY CHARITABLE ; GAUDENCIO AQUINO LABRADOR ; LABRADOR GAUDENCIO

Agent(s): ROGER SYN AND CO PATENT AND TRADE MARK ATTORNEYS; FURMAN AND KALLIO; OYEN WIGGS GREEN AND MUTALA LLP; GAUDENCIO AQUINO LABRADOR

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 HR HU ID IE IL IN IS IT JP KE KG KM KP KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO 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 YU ZA ZM ZW

Title: WATER-MIST BLOWER COOLING SYSTEM AND ITS NEW APPLICATIONS

Abstract: What had been created are various new processes with the corresponding newly created devices that support or to handle the new processes in order to attained the desired outcome of the new processes. One desired outcome is to produce a low technology cooling system that can be easily made by the ordinary man for himself and this is answered by the creation of a misting tube having a plurality of water misting nozzles and a blower blows wind thru the water mist towards a place or into a house or into an office. An alternative of this is a blower that blows wind thru the water mist created by an atomizer and into a house, a building, a work shop, a play area, or into a green house or plantation. An improvement of this is misting tube being place infront of a blower by attaching the misting tube to the frame/shell of the blower so that the misting tube goes freely with the left and right oscillation of the blower. A further improvement of this water-mist-blower system is where the water is mist sprayed inside a vacuumed air duct to speed up water evaporation wherein air is passed thru a multi-tube radiator inside the vacuumed air duct and the cold air from the air duct is passed thru a hybrid Centrifugal Cyclone separator to remove surplus water mist. Further created are desalination devices.

Classifications:

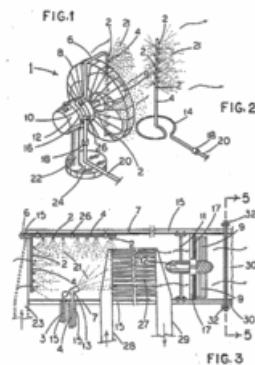
International (IPC 8-9): F24F5/00 F24F6/14 (Advanced/Invention);
F24F5/00 F24F6/12 (Core/Invention)

International (IPC 1-7): F24F5/00 F24F6/14

CPC: Y02B30/545 Y02A20/144

European: Y02B10/30 Y02B10/50 Y02B30/14 Y02B30/54D
Y02E10/72N

PatBase - AU2002301175_AA



Family:

Publication number	Publication date	Application number	Application date
AU2002301175 AA	20040408	AU20020301175	20020924

Priority:

AU20020301175 20020924

Probable Assignee:

LABRADOR GAUDENCIO A

Assignee(s): (std):

LABRADOR GAUDENCIO A

Assignee(s):

GAUDENCIO A LABRADOR

Inventor(s): (std):

LABRADOR GAUDENCIO A

Inventor(s):

GAUDENCIO A LABRADOR

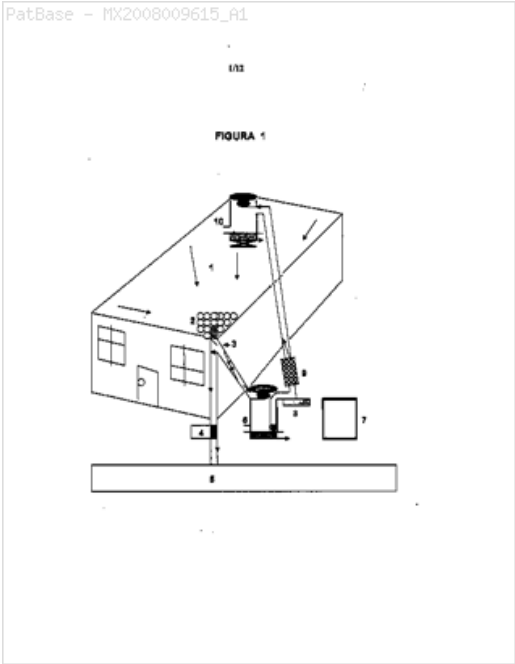
Agent(s):

KNIGHTSBRIDGE PATENT ATTORNEYS

Title: SYSTEM AND METHOD FOR MODIFYING HYDRAULIC AND SANITARY INSTALLATIONS FOR IMPROVING THE USE OF **RAIN WATER**.

Abstract: The present invention refers to a system and method for modifying and/or adapting hydraulic and sanitary installations in current constructions (and future constructions) in order to prevent the **rain water** collected in roofs from flowing to the drain, allowed by the construction law, without previewing that **clean water** is polluted and subsequently treated or recycled to be reused, without being required. The invention uses **rain water**, for benefiting population, by leading it to a container and subsequently to a **tank** located on a roof, which due to gravity is distributed for multiple services, free of charge, the **water** may also be potable; a further advantage of the invention is that it reduces the drain pressure upon reducing millions of litres or cubic meters that **rain water** represents, also reducing **water** loggings and floods caused by drain insufficiency or by torrential rainfalls; it benefits traffic, reduces damages and so on, since the stored **water** is being consumed slowly and no t abruptly as it happens during a storm. It is advisable that regulations of future constructions may be modified or adapted so as to include the easy and cost effective method of the present invention for saving **rain water** and therefore benefiting population.

Classifications:
International (IPC 8-9): E03B3/03 (Advanced/Invention);
E03B3/00 (Core/Invention)
CPC: Y02A20/106 Y02A20/108



Family:

Publication number	Publication date	Application number	Application date
MX2008009615 A1	20100301	MX20080009615	20080725

Priority:
MX20080009615 20080725

Probable Assignee: HERNANDEZ SERGIO EDUARDO QUINO
Assignee(s): (std): HERNANDEZ SERGIO EDUARDO QUINO
Assignee(s): SERGIO EDUARDO QUINONES HERNANDEZ
Inventor(s): (std): HERNANDEZ SERGIO EDUARDO QUINONES
Inventor(s): SERGIO EDUARDO QUINONES HERNANDEZ

Title: METHOD AND DEVICES FOR FORESTATION AND FLOOD PREVENTION

Abstract: With the present invention, **sand** storm disasters will no longer occur in Beijin and the Hubui province in China and the **water** of the Yellow River will be clear; soil erosion due to flood in the United States and Europe will decrease. The invention utilizes the **sand**, soil and gravel of the earth to cure its illness. Such normally useless natural materials are filled in plastic bags to form flexible soft **sand** bricks, and they are laid on the ground to stabilize **sand** for growing vegetation or to prevent soil depletion due to **water** erosion. With the present method, **sand** and soil are stabilized to the condition similar to that grass has already grown on them for five years and trees have already grown in them for ten years. It can thus be used surely for carrying out forestation all over the world; forestation may even be carried out in barren area in the United States so as to have rich forests throughout the country; and the area around the Wufoo **water** dam will recover to its past beauty. The tree planting bullet of this invention may be used with planting guns firing them from the air or with **water** guns firing them on land to facilitate tree planting, such that corporations in the forest industry will no longer hesitate to carry out reforestation in regions destroyed by forest fires, due to the devaluation of their company shares. The invention may be used to change the environment of the Middle East to favorable for living so that it may have ever lasting peace. The soft **sand** bricks of the present invention may be used to grow vegetation in the desert for conquering the normal difficulty in its forestation. Forestation is important since it can mitigate flood disaster, drought, and **sand** storm in the desert; and it can be realized inexpensively with the use of the soft **sand** bricks and the planting bullets of the present invention. Therefore, it can prevent the further deterioration of the earth. The countries and regions indicated above are for illustration only.

Classifications:

International (IPC 8-9): A01B79/02 A01C11/00 A01C7/00 A01G1/00 A01G13/04 A01G23/00 A01G9/14 A01G9/16

A01G9/24 (Advanced/Invention);

A01B79/00 A01C11/00 A01C7/00 A01G13/04 A01G23/00 A01G9/14 A01G9/16 A01G9/24 (Core/Invention)

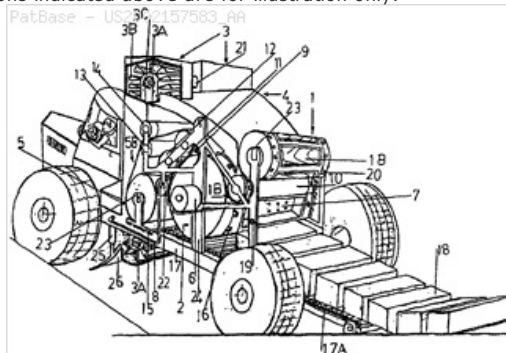
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CPC: Y10S111/915 A01G9/16 A01G13/043 A01G23/00 Y02P60/40 Y02A40/243 Y02A40/254 Y02A40/272 Y02A40/294

European: A01G13/04B A01G23/00 A01G9/16

US: 111/100 111/200 111/915

Locarno class: 11/11



Family:

Publication number	Publication date	Application number	Application date
AU200221382 A1	20020618	AU20020021382	20011126
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AU200221382 AA	20020618	AU20020221382	20011126
BRPI0116184 A	20040706	BR2001PI16184	20011126
CN100388875 C	20080521	CN20011042941	20011130
CN1370392 A	20020925	CN20011042941	20011130
CN1810085 A	20060802	CN200510129411	20011130
EP1341407 A2	20030910	EP20010999273	20011126
IN01037DN2003 A	20100101	IN2003DN01037	20030704
JP2004513664 T2	20040513	JP20020547282T	20011126
RU2003120059 A	20050110	RU20030120059	20011126
TW590736 B	20040611	TW20010130167	20011204
US2002157583 AA	20021031	US20000729282	20001205
US6484654 BB	20021126	US20000729282	20001205
WO0245481 A2	20020613	WO2001CA01665	20011126
WO0245481 A3	20030410	WO2001CA01665	20011126

Priority:

US20000729282 20001205 WO2001CA01665 20011126

Probable Assignee: CHIU CHUI WEN

Assignee(s): (std): CHIU CHUI WEN ; CHUIWEN QIU

Assignee(s): QIU CHUIWEN ; CHUI WEN CHIU

Inventor(s): (std): CHIU CHUI WEN ; CHUI WEN CHIU ; CHUIWEN QIU

Inventor(s): QIU CHUIWEN

Agent(s): PATENT ATTORNEY SERVICES

Designated states: AT AU BE BR CH CY DE DK ES FI FR GB GR IE IN IT JP LI LU MC MX NL PT RU SE TR

Title: Currency receiving device and method

Abstract: A currency receiving device for receiving currency from a user, comprising a safe having a lockable access opening and a transfer slot, a local processor, operatively connected to said safe, said local processor having a user interface to communicate with the user, and being capable of communicating with a remote processor, a currency counter, operatively connected to said safe, to count the currency deposited by the user, and a removable currency receptacle, contained within said safe and operatively connected to said currency counter, to receive currency from the currency counter and to store said currency, said removable currency receptacle having a unique identifier, wherein, upon said currency receptacle being installed in said safe, said identifier is correlated with said count of currency deposited by said user.

Classifications:

International (IPC 8-9): A01G13/04 A01G23/00 A01G9/16

G07D11/00 G07F19/00 (Advanced/Invention);

A01G13/04 A01G23/00 A01G9/16 G07D11/00

G07F19/00 (Core/Invention)

International (IPC 1-7): A01G25/00 A01G9/00 A01G9/02 G06F17/60

G06K17/60 G07D11/00 G07F19/00

CPC: G07D11/00 G07D11/0006 G07D11/009 Y02P60/40 A01G23/00

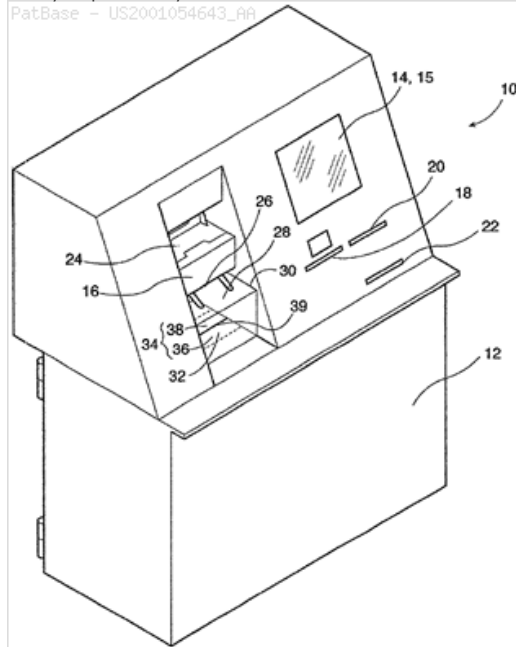
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European: A01G13/04B A01G23/00 A01G9/16 G07D11/00

G07D11/00D2 G07D11/00M

US: 235/379 235/382 235/486 47/17 47/20.1 47/65.5 47/655 47/69

47/79 47/87 902/13 902/9



Family:

Publication number	Publication date	Application number	Application date
AU200170394 A1	20020108	AU20010070394	20010626
AU200170394 A5	20020108	AU20010070394D	20010626
CA2312275 AA	20011223	CA20002312275	20000623
CA2312275 C	20090915	CA20002312275	20000623
EP1292926 A2	20030319	EP20010949150	20010626
US2001054643 AA	20011227	US20000729283	20001205
US2002125309 AA	20020912	US20020140191	20020508
US2002129547 AA	20020919	US20020140193	20020508
US6553713 BB	20030429	US20020140193	20020508
US6659340 BB	20031209	US20000729283	20001205
WO0201514 A2	20020103	WO2001CA00936	20010626
WO0201514 A3	20020725	WO2001CA00936	20010626

Priority:

CA20002312275 20000623 US20000729283 20001205 WO2001CA00936 20010626
 US20020140191 20020508 US20020140193 20020508

Probable Assignee: ARMOR SAFE TECHNOLOGIES LLC

Assignee(s): (std): CHIU CHUI WEN ; NAMSYS INC ; SIEMENS JOHN

Assignee(s): ARM S LENGTH HOLDINGS INC ; ARMOR SAFE TECHNOLOGIES LLC ; ARM'S LENGTH HOLDINGS INC ; ARM'S LENGTH HOLDINGS INC

Inventor(s): (std): CHIU CHUI WEN ; SIEMENS JOHN

Inventor(s): JOHN SIEMENS

Agent(s): PIASETZKI AND NENNIGER LLP

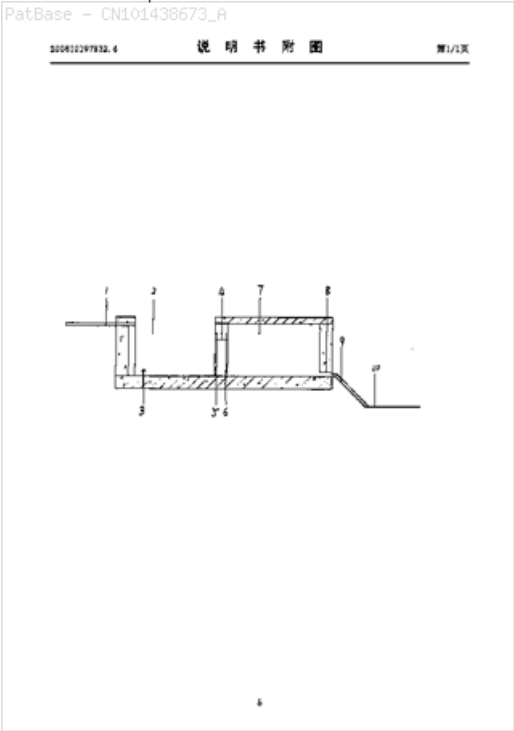
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Title: SYSTEM FOR DEVERSION OF WATER ON SLOPE, COLLECTION AND CLARIFICATION, AS WELL AS IRRIGATION

Abstract: A system for collecting and purifying intercepted water on a side slope for irrigation relates to a system for irrigating a sloping field with rain water. A sand sediment trap is communicated with a rain water collection pipeline, and a blow off valve is arranged below the trap; a channel is arranged between the sand sediment trap and a water storage tank; a filter screen with active carbon pieces is laid at an inlet of the channel; the water storage tank is connected with a dropper device for irrigation by a pipeline. The rain water of the surface runoff caused by rainfall and the rain water in a ground rain water well flow into the rain water collection pipeline through a rain water collection pipeline network. The rain water is collected in the channel, filtered and purified by the filter screen and the active carbon pieces at the inlet of the channel, and then flows into the water storage tank; and continuous drop irrigation is realized by the dropper device. The blow off valve is opened to eliminate impurities when the impurities reach a certain amount. The system realizes effective combination of a rain water collection and treatment system and a side slope irrigation system, solves a difficult problem of hard utilization of the rain water, is suitable for the side slopes of different types, and minimizes unstable side slope factors such as slope wash and the like caused by direct rain water drainage on the side slope.

Classifications:

International (IPC 8-9): A01G25/00 E03B3/02 (Advanced/Invention);
A01G25/00 E03B3/00 (Core/Invention)
CPC: Y02A20/108



Family:

Publication number	Publication date	Application number	Application date
CN101438673 A	20090527	CN200810197932	20081127

Priority:

CN200810197932 20081127

Probable Assignee: WUHAN BOTANICAL GARDEN CAS

Assignee(s): (std): WUHAN BOTAN GARDEN THE CHINESE ; WUHAN BOTANICAL GARDEN CAS ; WUHAN BOTANICAL GARDEN CHINESE ACADEMY OF SCIENCES

Assignee(s): WUHAN BOTANICAL GARDEN THE CHINESE ACADEMY OF SCIENCES

Inventor(s): (std): HONGTAO LIU ; KAIJI XIE

Inventor(s): LIU HONGTAO ; XIE KAIJI

Title: SISTEMA PARA CONTENER, ABSORBER, RECOGER, LIMPIAR Y PROTEGER EL MEDIO AMBIENTE DE ACEITES VEGETALES, MINERALES E HIDROCARBUROS MENOS DENSOS QUE EL AGUA, SU ABSORCION Y ADSORCION Y PROCEDIMIENTO PARA LA RECOLECCION IN SITU System to contain, absorb, collect, clean and protect the environment of vegetable oils, minerals and hydrocarbons less dense than **water**, its absorption and adsorption and procedure for the collection in situ (Machine translation)

Abstract: Source: CO15003766A [ES] [Source: Claim 1] 1. Identificacion del Tramite 7] PATENTE DE INVENCION ~] PATENTE DE MODELO DE UTILIDAD | | Examen de Patentabilidad I 1 Tasas de Mantenimiento **Machine translation:** [Source: Claim 1] 1. Identification of Step 7] Patent of Invention ~] utility model patent examination of patentability I 1 | | Low Maintenance

Classifications:

International (IPC 8-9): B01D17/04 B08B7/00 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
CO15003766 A1	20160729	CO20150003766	20150108

Priority:

CO20150003766 20150108

Probable Assignee: TECNOLOGIA AMBIENTAL NOW SAS

Assignee(s): TECNOLOGIA AMBIENTAL NOW SAS

Inventor(s): CARLOS FELIPE FORERO MONSALVE

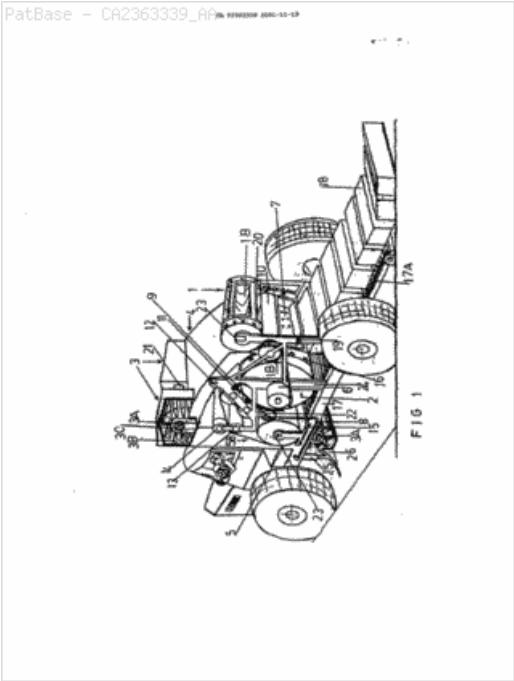
Agent(s): CARLOS FELIPE FORERO MONSALVE

Title: FORESTATION AND ENVIRONMENT PROTECTING METHOD AND SYSTEM

Abstract: Plastic bags are continuously formed and filled with **sand**, soil and gravel to fabricate flexible soft bricks of various shapes and configurations which may be laid on the ground to stabilize **sand** for growing vegetation or to prevent soil depletion due to **water** erosion or to grow vegetation in them. Protective housings made of plastic membrane material may be erected in dry or desert regions for growing trees and vegetation. The lower portion of the housing may be located below ground into a trench. Self operating knives are located in the housing to sever the plastic membrane material when the tree grown in the housing has reached a predetermined maturity. Tree planting bullets are provided to facilitate forestation by airplane to land inaccessible regions. The tree seedling is located in supported in an embryonic sack located in a depression formed in the rear portion of the bullet head.

Classifications:

International (IPC 8-9): A01G23/00 A01G7/00 B65B1/16 B65B9/04 E02D29/02 E02D31/00 (Advanced/Invention);
A01G23/00 B65B9/00 (Core/Invention)
International (IPC 1-7): A01G23/00 A01G7/00 B65B1/16 E02D29/02 E02D31/00
CPC: A01G23/00 B65B9/04 Y02P60/40 Y02A40/243
European: A01G23/00 B65B9/04



Family:

Publication number	Publication date	Application number	Application date
CA2363339 AA	20030519	CA20012363339	20011119

Priority:

CA20012363339 20011119

Probable Assignee:

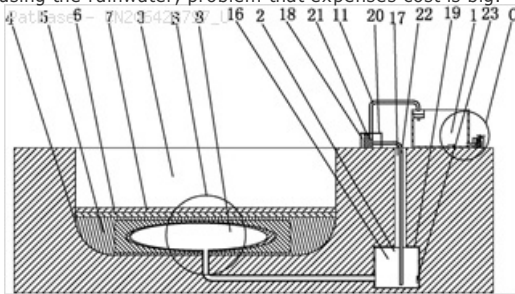
Assignee(s): (std): CHIU CHUI WEN
Inventor(s): (std): CHIU CHUI WEN
Agent(s): NA

Title: GARDENS WATER CONSERVATION COLLECTION RAIN SYSTEM

Abstract: The utility model discloses a gardens water conservation collection rain system, including the tank the retaining pond, the bottom of tank is equipped with water purification transfer device, and retaining pond bottom includes leak protection layer, seepage layer, gravel layer, sand bed, and the seepage in situ is equipped with water storage part, and the bottom on leak protection layer layer is equipped with through -hole, water channel, and in water channel wore to locate the through -hole, water channel's both ends were connected with water purification transfer device with water storage part respectively, water purification transfer device department underground to be connected with the tank through the drain pipe. Above technical scheme solve intelligent rain trap filter, when using the rainwater, problem that expenses cost is big.

Classifications:

International (IPC 8-9): A01G25/02 E03F5/10 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN206428797 U	20170822	CN201720033634U	20170112

Priority:

CN201720033634U 20170112

Probable Assignee: ZHEJIANG GUOSHENG GARDEN ENG CO LTD

Assignee(s): (std): ZHEJIANG GUOSHENG GARDEN ENG CO LTD

Assignee(s): ZHEJIANG GUOSHENG GARDEN ENGINEERING CO ; ZHEJIANG GUO SHENG GARDEN ENGINEERING CO LTD

Inventor(s): (std): XU SHAOZHEN ; YU JIANMEI

Title: BIOLOGICAL TREATMENT PLANT FOR SEWAGE - WITH AUTOMATICALLY CLEANED BAR SCREEN BETWEEN SAND TRAP AND RAIN WATER CLARIFICATION

Abstract: A biological sewage treatment plant consists of an annular aeration tank, surrounded by a coaxial final clarification tank to which it is linked by a slot at the bottom. A revolving arm which sweeps over the tank and carries paddles at the bottom is fixed near the centre with a scraper for an annular bar screen at the top of a sand trap; the star-shaped scraper is turned once every revolution by a stop to clear it. This improves the preliminary cleaning of crude sewage entering the sand trap. The deposition of sludge in the rainwater clarification basin is prevented when used as a settling basin for sewage overflowing from the sand trap.

Classifications:

International (IPC 8-9): B01D21/02 B01D21/06 C02F3/12

C02F3/20 (Advanced/Invention);

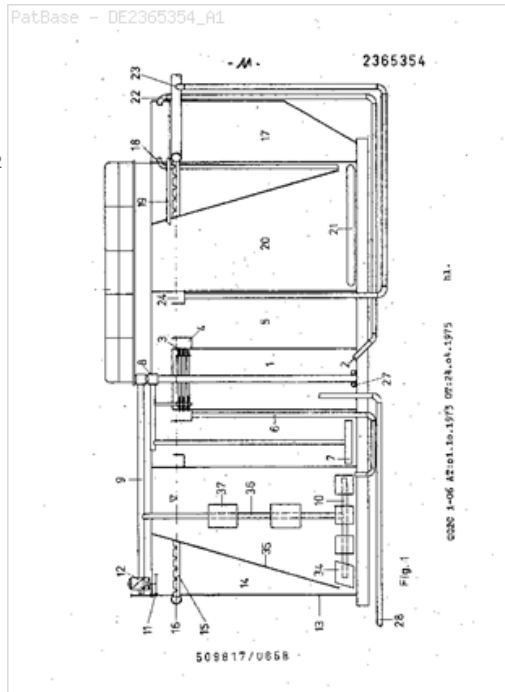
B01D21/02 C02F3/12 C02F3/20 (Core/Invention)

International (IPC 1-7): C02C1/06

CPC: Y02W10/15 C02F3/205 B01D21/02 B01D21/06 B01D21/08

B01D21/18 C02F3/12 B01D21/2427

European: B01D21/02 B01D21/06 B01D21/08 B01D21/18 C02F3/12 C02F3/20E



Family:

Publication number	Publication date	Application number	Application date
DE2349218 B1	19750220	DE19732349218	19731001
DE2349218 C2	19750925	DE19732349218	19731001
DE2365354 A1	19750424	DE19732365354	19731001

Priority:

DE19732349218 19731001 DE19732365354 19731001

Probable Assignee: DEUTSCHE GERAETEBAU GMBH

Assignee(s): (std): DEUTSCHE GERAETEBAU GMBH

Assignee(s): DEUTSCHE GERAETEBAU GMBH 4796 SALZKOTTEN

Inventor(s): (std): DANJES MARTIN DIPL ING

Title: SMARTEST CITIES

Abstract: New models for cutting edge technologies to serve interests of super cities better. New products and services that a city should have that is helpful, healthy, and helps people perform and locals and tourists can enjoy.

Classifications:

International (IPC 8-9): E04B1/00 E04H1/00 (Advanced/Invention)

CPC: E04H1/00 A63G31/00

Family:

Publication number	Publication date	Application number	Application date
CA2929508 AA	20171110	CA20162929508	20160510

Priority:

CA20162929508 20160510

Probable Assignee:

VOON GERARD

Assignee(s): (std):

VOON GERARD

Inventor(s): (std):

VOON GERARD

Title: VERFAHREN ZUR REINIGUNG VON VERSCHMUTZTEM NIEDERSCHLAGSWASSER

Abstract: Source: DE102012001551B4 [DE] Verfahren zur Behandlung von verschmutztem Niederschlagswasser oder dergleichen, wobei das Niederschlagswasser ueber einen Strasseneinlauf (1) in und durch einen in einem Strassenablauf angeordneten Schlammmeimer (2) mit einem Naturstoff-Gewebesack (3), der mit Naturstoff-Haeckseln (4) und mit Naturstoff-Pellets (5) mit Zusatzstoffen gefuehlt ist, fliesst, wobei sich feste Verunreinigungen (Sedimente) im Schlammmeimer (2) unterhalb von ueberlaufoeffnungen, aber oberhalb des Naturstoff-Gewebesacks (3) absetzen, Schmutzstoffe wie Salze, oele oder Schwermetalle aus dem Niederschlagswasser an die Naturstoff-Haecksel (4) und an die Naturstoff-Pellets (5) gebunden werden und das Niederschlagswasser mit Mikroorganismen (6) geimpft wird, das Niederschlagswasser sich anschliessend am Boden des Strassenablaufes sammelt und durch einen Ablauf (7) zur Regenwasser-Kanalisation (8) abfliesst und schliesslich durch eine Rueckstaeueinrichtung (10a, 10b, 10c), die in der Regenwasser-Kanalisation (8) aus Rohren mit mindestens 300 mm Durchmesser in einem Regenwasserschacht (9) angeordnet ist, einen Rueckstau erfahrt und in der Verweilzeit bis zum endgueltigen Ablauf biologisch gereinigt wird.

Classifications:

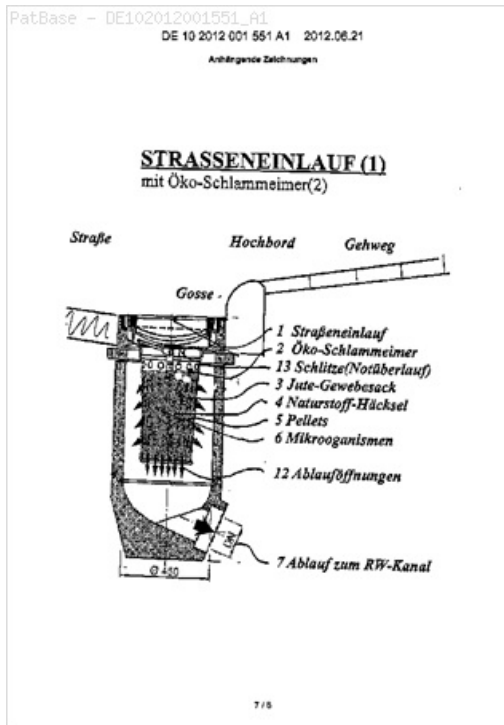
International (IPC 8-9): B01D21/00 C02F1/28 C02F1/52 C02F1/62 C02F9/14 E03F5/04 (Advanced/Invention)

CPC: Y02A10/36 C02F1/286 C02F2101/20 C02F2101/32

C02F2103/001 E03F5/0404 E03F5/102 E03F5/105 E03F5/16

European: C02F1/28H E03F5/04C4 E03F5/10D E03F5/10H E03F5/16

M02F101/20 M02F101/32 M02F103/00B



Family:

Publication number	Publication date	Application number	Application date
DE102012001551 A1	20120621	DE201210001551	20120126
DE102012001551 B4	20140306	DE201210001551	20120126

Priority:

DE201210001551 20120126

Probable Assignee:

NEUMANN GEORG

Assignee(s): (std):

NEUMANN GEORG

Assignee(s):

NEUMANN

Inventor(s): (std):

NEUMANN GEORG

Title: PROCESS AND APPARATUS FOR THE FILTRATION OF SEWAGE

Abstract: Unit for mechanical- and adsorptive cleaning of waste **water** and/or for recovery of waste **water** (esp. suitable for roof-, surface- or **rain water**) comprises a stage for sepg. solids, e.g. a settlement **tank**, followed by a lower filtration- and/or cleaning stage. A percolation shaft (9) or similar filtration and/or cleaning stage is formed by a vertical purification vessel (12, 13). The waste **water** is supplied to a basal inlet, cleaned **water** being extracted near the top. There are greater than or equal to 2 separate cleaning- and/or filtration devices in the unit.

Classifications:

International (IPC 8-9): B01D21/00 C02F1/28 C02F9/00 E03B3/02 E03F5/14 (Advanced/Invention);

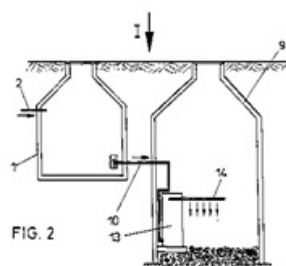
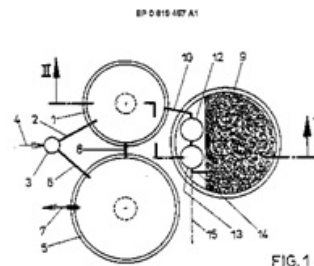
B01D21/00 C02F1/28 C02F9/00 E03B3/00 E03F5/14 (Core/Invention)

International (IPC 1-7): B01D21/00 B01D24/26 C02F1/28 C02F1/52 C02F9/00 E03B3/02

CPC: Y02A20/108 C02F9/005 B01D21/0012 C02F1/281 E03B3/02 E03F5/14

European: B01D21/00F C02F1/28B C02F9/00B C02F9/00H4 E03B3/02 E03F5/14

PatBase - EP0819457_A1



Family:

Publication number	Publication date	Application number	Application date
AT121196 A	19971115	AT19960001211	19960709
AT403907 B	19980625	AT19960001211	19960709
DE29613280 U1	19960926	DE19962013280U	19960731
EP0819457 A1	19980121	EP19970890126	19970708

Priority:

AT19960001211 19960709

Probable Assignee: KOSATKO NORBERT ING WIEN AT

Assignee(s): (std): KOSATKO NORBERT ; KOSATKO NORBERT ING

Assignee(s): KOSATKO NORBERT ING WIEN AT

Inventor(s): (std): KOSATKO NORBERT ING ; KOSATKO NORBERT

Designated states: AT CH DE LI LU

Title: TRAMUTADOR ATMOSFERICO DE PARTICULAS CONTAMINANTES TRAMUTADOR ATMOSPHERIC PARTICULATE POLLUTANTS (Machine translation)

Abstract: Source: CO7060226A [ES] La campana succiona los contaminantes (hollin, humo carbonos) su sistema de succion transporta por un tunel los contaminantes que llegan al cabezote donde se encuentran unos flautines que expulsan agua a presion, producida por una bomba. Agua que se alimenta de un tanque que se encuentra en la parte inferior, donde el tunel de arrastre ingresa unos centimetros en el agua que contiene una espuma natural sacada de plantas, la cual produce una trampa donde las particulas contaminantes quedan atrapadas y son depositadas como sedimentacion en el fondo del tanque. De esta manera, las particulas son separadas, tomando un aire descontaminado que flota en la parte superior del tanque. Este aire ya libre de particulas es succionado por una turbina que expulsa este aire al medio ambiente, ya libre y sin peligro de contaminacion por el hollin, humos carbon grasas que son las causantes del deterioro y la muerte que poco a poco esta afectando a todos los seres vivos de este planeta. (Ver figura 1) **Machine translation:** The bell sucks pollutants (soot, smoke coals) carries suction system for pollutants that reach the headstock tunnel where they are about to expel piccolos **water** pressure, caused by a bomb. **Water** fed from a **tank** located at the bottom, where the tunnel tow enters few cm in **water** containing a natural foam taken from plants, which produces a **trap** where the particulate contaminants are **trapped** and are deposited as sedimentation in the bottom of the **tank trap**. Thus, the particles are separated taking decontaminated air that floats on the top of the **tank**, this and outdoor particles is sucked by a turbine which ejects the air environment as free and without risk of contamination by soot, coal fumes fats that are causing the deterioration and death that slowly is affecting all living beings on this planet. (see Figure 1)

Classifications:

International (IPC 8-9): F23J15/00 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
CO7060226 A1	20140919	CO20140123964	20140609

Priority:

CO20140123964 20140609

Probable Assignee: FREDY ARTURO RAMIREZ SUAREZ

Assignee(s): (std): RAMIREZ SUAREZ FREDY ARTURO ; SANCHEZ CERON GERARDO JOSE

Assignee(s): FREDY ARTURO RAMIREZ SUAREZ ; GERARDO JOSE SANCHEZ CERON

Inventor(s): (std): RAMIREZ SUAREZ FREDY ARTURO ; SANCHEZ CERON GERARDO JOSE

Inventor(s): FREDY ARTURO RAMIREZ SUAREZ ; GERARDO JOSE SANCHEZ CERON

Title: SYSTEM FOR TREATING SURFACE RUN-OFF

Abstract: Source: SU1776636A **Machine translation:** Use: cleaning polivomoech-tion and rainwater. The inventive system comprises a gutter collector 1. 2 reception capacity of surface runoff, **sand trap** 3, 4 installation for cleaning runoff, sewage collector 5 prombytovoy, its treatment plants 6, 7 clean **water tank** and the collector 8 **water** drainage into the pond. In the absence of **rain** all the **water** flows to the plant for treatment 4, where the first is filled with a distribution chamber and the chamber **water** flushers. Then filled with another camera flushers **waters**, and is the first to settle. After filling the second chamber of the **water** begins to flow chambers for filtration and flow diversion oil surfaced. During **rain** are filled with additional reception chamber. Excess **water** is sent to the sewer prombytovuyu 5. Desired mode is provided by the presence of cameras and siphon valve system. 6 z.p.f formula, 7 ill. (Vi VJ LS O O CO on Fia1

Classifications:

International (IPC 8-9): C02F1/00 C02F1/28 C02F1/40
C02F5/10 (Advanced/Invention);
C02F103/02 C02F103/34 (Advanced/Non-invention);
C02F1/00 C02F1/28 C02F1/40 C02F5/10 (Core/Invention)
International (IPC 1-7): C02F1/00 C02F5/10



Family:

Publication number	Publication date	Application number	Application date
RU1776636 C	19921123	SU19894763978	19891204
SU1776636 A1	19921123	SU19894763978	19891204

Priority:

SU19894763978 19891204

Probable Assignee: VNII OKHRANE VOD

Assignee(s): (std): VNII OKHRANE VOD

Assignee(s): VNII PO OKHRANE VOD

Inventor(s): (std): KHVAT VIKTOR M ; MEDVEDEV VALERIJ S ; SHEVCHENKO LYUDMILA P ; ZATYLNIKOV VLADIMIR I

Inventor(s): ZATYLNIKOV VLADIMIR I SU ; SHEVCHENKO LYUDMILA P SU ; MEDVEDEV VALERIJ S SU ; KHVAT VIKTOR M SU

Title: METHOD FOR CONTROLLING SCRAPER OPERATION OF LONGITUDINAL GRIT **TRAP** FOR MECHANICALLY CLEANING E.G. LOCAL AREA WASTE **WATER**, INVOLVES DETERMINING FIT CAPACITY OF MINERAL SETTLEABLE MATERIAL BY DIFFUSION CONTROL OF FLOW OF MATERIAL

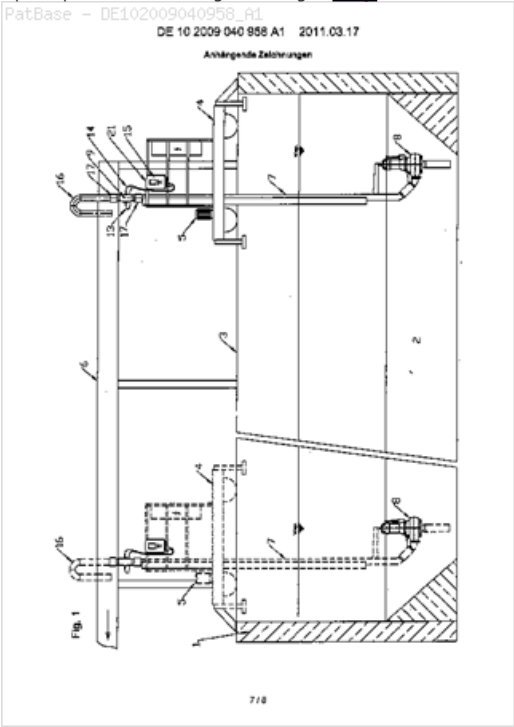
Abstract: The method involves removing mineral settling sediments e.g. **sands**, stones and glass breakages, deposited on a bottom part of a longitudinal grit **trap tank** (1). A scraper bridge (4) is set in an operation by a controller in certain intervals. A conveyor line (7) is arranged with a pump (8) to the bridge. A settleable solid-**water**-mixture is conveyed from the **tank** by the pump. The bridge and the pump are operated depending on an actual fit capacity of mineral settleable material. The capacity of the material is determined by a diffusion control (9) of a flow of the material sucked by the pump. An independent claim is also included for a device for controlling a scraper operation of a longitudinal grit **trap**.

Classifications:

International (IPC 8-9): B01D21/18 B01D21/30 (Advanced/Invention)

CPC: B01D21/0018 B01D21/18 B01D21/34

European: B01D21/00J B01D21/18 B01D21/34



Family:

Publication number	Publication date	Application number	Application date
DE102009040958 A1	20110317	DE200910040958	20090911

Priority:

DE200910040958 20090911

Probable Assignee:

PINTA HOLGER

Assignee(s): (std):

PINTA HOLGER

Inventor(s): (std):

PINTA HOLGER

Title: VERFAHREN ZUR BIOLOGISCHEN REINIGUNG VON ABWASSER IN EINER KLAERANLAGE MIT GESONDERTER AEROBER BEHANDLUNG DES UEBERSCHUSS-SCHLAMMES UND VORRICHTUNG ZUR DURCHFUEHRUNG DES VERFAHRENS Method for biological purification of waste **water** in a sewage treatment plant by separate aerobic treatment of the excess-MUD AND DEVICE FOR IMPLEMENTING THE PROCESS (Machine translation)

Abstract: Source: CH444771A [DE] (Claim 1) 1. Verfahren nach Patentanspruch I, dadurch gekennzeichnet, dass der ueberschuss-Schlamm aus dem dem Belebungsbecken (5) nachgeschalteten Klaerbecken (6) diskontinuierlich abgezogen und dem besonderen, der aeroben Behandlung dienenden Belueftungsbecken (7) zugefuehrt wird, nachdem zuvor die gleiche Menge behandelten Schlammes aus dem Belueftungsbecken (7) in den Eindickbehaelter gegeben wurde.

Machine translation: (Claim 1) 1 The method according to claim I, characterized in that the excess sludge from the the aeration **tank** (5) downstream clarifiers (6) intermittently withdrawn and the particular, the aerobic treatment serving Belueftungsbecken (7) is supplied, once before the same amount of treated sludge from the Belueftungsbecken (7) was added to the Eindickbehaelter.

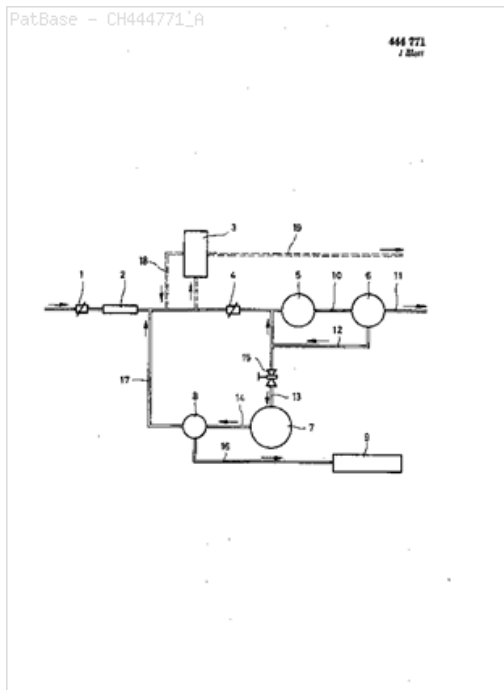
Classifications:

International (IPC 8-9): C02F3/12 (Advanced/Invention); C02F3/12 (Core/Invention)

International (IPC 1-7): C02C1/06 C02C1/26

CPC: Y02W10/15 C02F3/1221 C02F3/12

European: C02F3/12 C02F3/12A6



Family:

Publication number	Publication date	Application number	Application date
CH444771 A	19670930	CH19660001382	19660201

Priority:

DE1965G042720 19650201

Probable Assignee: ABWASSERTECHNIK MBH AND CO GE KG

Assignee(s): (std): ABWASSERTECHNIK MBH AND CO GE KG ; ABWASSERTECHNIK MBH AND CO KG GE ; ZIMMERMANN THEODOR DIPL ING

Assignee(s): F ABWASSERTECHNIK MBH AND CO GES KG ; GESELLSCHAFT FUER ABWASSERTECHNIK MBH AND CO KG

Inventor(s): (std): WERNER NOACK ; ZIMMERMANN THEODOR DIPL ING

Inventor(s): NOACK WERNER