

1) Family number: 58640880 (US2015125212A)

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Title: FLOATING LAKE SYSTEM AND METHODS OF TREATING WATER WITHIN A FLOATING LAKE

Abstract: The present invention relates to floating lakes and to the treatment of the water in such lakes. The present invention further relates to large floating lakes that can be installed within a natural or artificial water body to improve water conditions that are unsuitable for recreational uses. The floating lake can be provided with a chemical application system; a filtration system including a mobile suctioning device and filters; a skimmer system, and optionally a coordination system.

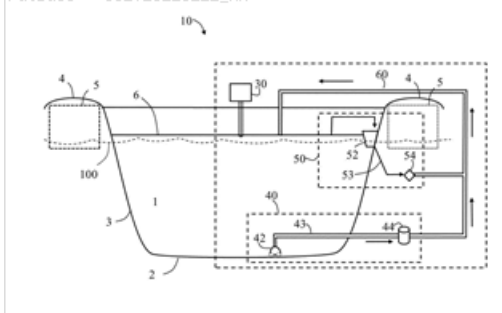
Classifications:

International (IPC 8-9): B01D21/00 B01D21/01 B63B35/00 B63B35/73 C02F C02F1/00 C02F1/44 C02F1/467 C02F1/52 C02F1/54 C02F1/56 C02F1/66 C02F1/72 C02F1/76 C02F1/78 C02F103/00 C02F103/02 C02F103/42 C02F11/12 C02F9/00 C02F9/02 C02F9/04 E02B15/00 E02B15/04 E02B15/06 E02B15/08 E02B3/00 E04H E04H4/00 E04H4/04 E04H4/12 E04H4/16 (Advanced/Invention); C02F1/00 C02F1/44 C02F1/467 C02F1/52 C02F1/56 C02F1/72 C02F1/76 C02F1/78 C02F103/00 C02F103/02 C02F103/42 (Advanced/Non-invention); B01D21/00 C02F1/00 C02F9/00 E02B15/00 E04H4/00 (Core/Invention); C02F E04H (Subclass/Invention)

CPC: C02F1/66 E04H4/00 E04H4/16 C02F1/004 C02F1/008 C02F1/442 C02F1/444 C02F1/4672 C02F1/52 C02F1/5245 C02F1/56 C02F1/72 C02F1/722 C02F1/76 C02F1/78 C02F9/00 C02F2103/007 C02F2103/023 C02F2103/42 C02F2201/006 C02F2209/001 C02F2209/005 C02F2209/03 C02F2209/04 C02F2209/06 C02F2209/07 C02F2209/11 C02F2209/36 C02F2209/44 C02F2303/10 E04H4/0012 E04H4/1209 Y02W10/30 E02B15/04 E02B15/041 E02B15/045 E02B15/06 E02B15/0807 E02B15/0814 B01D21/0012 B01D21/01 C02F1/001 C02F2001/007 B63B34/00

US: 1/1 210/167.3 210/712 405/63

PatBase - US2015125212_AA

**Family:**

Publication number	Publication date	Application number	Application date
AP201609059 A0	20160229	AP20160009059	20141104
AR098320 AA	20160526	AR2014P104167	20141105
AU2014347797 AA	20160218	AU20140347797	20141104
AU2014347797 BB	20190117	AU20140347797	20141104
AU2014347797 BI	20190131	AU20140347797	20141104
BR112016002808 A2	20170905	BR20161102808	20141104
CA2919950 AA	20160129	CA20142919950	20141104
CA2919950 C	20190108	CA20142919950	20141104
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CN105705464 A	20160622	CN201480053380	20141104
CN105705464 B	20190402	CN201480053380	20141104
CO16112017 A2	20160510	CO20160112017	20160502
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CR20160071 A	20160712	CR20160000071	20160212
CU20160025 A7	20160930	CU20160000025	20160225
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CU24403 B	20190503	CU20160000025	20141104
DE602014042021 D1	20190321	DE201460042021T	20141104
DK3066056 T3	20190520	DK20140841384T	20141104
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EA201790372 A1	20170731	EA20170090372	20141104
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IL243820 A0	20160421	IL20140243820	20141104
IN201637007714 A	20160701	IN201637007714	20160304
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KR20160033759 A	20160328	KR20167004333	20141104
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MA38906 B1	20181130	MA20140038906	20141104
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NZ716959 A	20170526	NZ20140716959	20141104
PE06262016 A1	20160625	PE20160000262	20141104
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PH2016500297 A	20160516	PH20160500297	20160212
PH2016500297 B	20160516	PH20160500297	20160212
PL3066056 T3	20190830	PL20140841384T	20141104
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RS58663 B1	20190628	RS20190000536	20141104
SG11201601064T A1	20160330	SG20161101064	20141104
SI3066056 T1	20190628	SI20140031187T	20141104
TN2016000060 A1	20170705	TN20160000060	20141104
TR201907130 T4	20190621	TR20190007130T	20141104
UA115278 C2	20171010	UA20160001806	20141104
US2015125212 AA	20150507	US20140531395	20141103
US2017191237 AA	20170706	US20170462534	20170317
US9920498 BB	20180320	US20140531395	20141103
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UY35822 A1	20141231	UY20140035822	20141105
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WO15068042 A3	20150820	WO20141B02991	20141104
ZA201601028 A	20170222	ZA20160001028	20160215

Priority:

US20130531395 20131103 US20130900308P 20131105 US20140531395 20141103
EP20140841384 20141104 WO20141B02991 20141104 US20170462534 20170317

Probable Assignee: CRYSTAL LAGOONS CURACAO BV

Assignee(s): (std): CRYSTAL LAGOONS CURACAO BV ; FISCHMANN FERNANDO BENJAMIN

Assignee(s): FISCHMANN FERNANDO BENJAMIN

Inventor(s): (std): BENJAMIN FISCHMANN FERNANDO ; FISCHMANN TORRES FERNANDO BENJAMIN ; FISCHMANN TORRES FERNANDO BENJAMIN ; FISCHMANN FERNANDO BENJAMIN FB ; CRYSTAL LAGOONS CURACAO BV ; FERNANDO BENJAMIN FISCHMANN ; FISCHMANN FERNANDO BENJAMIN ; FISCHMANN FERNANDO

Inventor(s): FISCHMANN FERNANDO BENJAMIN ; 1 FISCHMANN FERNANDO BENJAMIN

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; ROBIC; ESTUDIO CLARKE MODET AND CO CHILE LIMITADA; CAROLINA MERCEDES DAZA MONTALVO; CARVAJAL Y URQUIJO ISABEL; LEHMANN NOVO MARIA ISABEL; ABU GAZALEH INTELLECTUAL PROPERTY LLC; CLT PATENT AND TRADEMARK HK LTD; TONY R SIMBOLON; ROMI EMIRAT SH; TOLGA CAYLAK; MERCHANT AND GOULD PC

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 IR 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 SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

2) Family number: 21616419 (US2003113245A)

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Title: NEUTRALIZING CHEMICAL DISPENSER WITH REMOVABLE COVER LAYER

Abstract: A device and method for dispensing chemical agents into a body of water includes a plastic, Bucket-like container having the chemical agents disposed therein. The side walls of the container are perforated with a plurality of perforations. Wrapped around the outside walls of the container is a removable cover layer disposed over the perforations. Disposed within the container is a layer of closed cell foam to provide the container with sufficient buoyancy to float at the surface of a body of water. The device is especially useful in the neutralization of pH within a lake or pond.

Classifications:

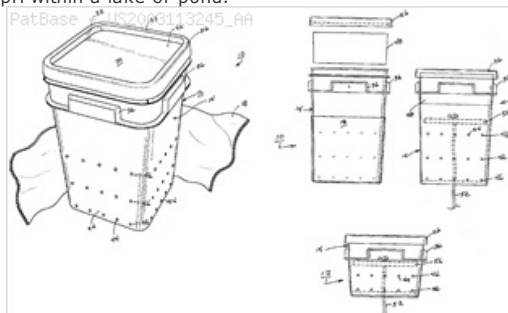
International (IPC 8-9): A01K63/04 (Advanced/Invention); A01K63/04 (Core/Invention)

International (IPC 1-7): B01D12/00 B01F1/00

CPC: Y10T137/4891 A01K63/04

European: A01K63/04

US: 137/268 422/261 422/264 422/265 422/276 422/277



Family:

Publication number	Publication date	Application number	Application date
AU200211882 A1	20020422	AU20020011882	20011009
AU200211882 A5	20020422	AU20020011882	20011009
AU2002211882 AA	20020422	AU20020211882	20011009
US2003113245 AA	20030619	US20020291793	20021112
US6503467 BA	20030107	US20000685862	20001009
US6676908 BB	20040113	US20020291793	20021112
WO0230541 A1	20020418	WO2001US42583	20011009

Priority:

Probable Assignee: SOUTHERN EXCELLENCE**Assignee(s):** (std): REID GERALD ; REID SR GERALD ; ROBINSON JERRY F ; SOUTHERN EXCELLENCE ; ROBINSON SR JERRY F**Inventor(s):** (std): REID GERALD ; REID SR GERALD ; ROBINSON JERRY F ; ROBINSON SR JERRY F**Inventor(s):** JERRY F ROBINSON ; GERALD REID**Designated states:** AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW**3) Family number: 66935489 (CA2921689A)**

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Title: COCONUT FIBER/STRAW/SUGARCANE HUSK (BAGASSE) BONDED RUBBER**Abstract:** Straw/Bamboo/sugarcane husk (bagasse) bonded with rubber strong enough and light for bulletproof over 850+ new applications. These materials are so stronger they are bulletproof. Yet they are very light and can be thinned for many uses ie. thinned for heavy duty gloves and/or boxes, and/or heavy duty reusable bags... Can be used to replace, as mix (powders and adhesives), layers, lining and composites and coatings possibly mixed with flame retardants, temperature resistant and electrical conductivity or electrical insulator...**Classifications:****International (IPC 8-9):** C08J5/04 C08L21/00 C08L97/02 (Advanced/Invention)**CPC:** C08L97/02**Family:**

Publication number	Publication date	Application number	Application date
CA2921689 AA	20170909	CA20162921689	20160309

Priority:

CA20162921689 20160309

Probable Assignee: VOON GERARD G V**Assignee(s):** (std): VOON GERARD G V**Inventor(s):** (std): VOON GERARD G V**4) Family number: 58690072 (US2015071978A)**

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Title: CLOTHING AND COVERING SYSTEM WITH VARIOUS FUNCTIONS**Abstract:** Clothing and covering system with various functions comprising at least one item, having at least one layer, at least one fabric, and at least one function. At least one function is selected from the group consisting of wearing on body, fashion display, preventing snow, preventing wind, preventing sun, preventing dust and dirt, support, comfort, performance, protection, insulation, warmth, coverage, storage, containment, drying, wiping, drainage, security, housing, water flotation, thermal insulation, heat resistance, bullet proofing, sun screening, non ironing, breasts shaping, arch support, seamless footwear, bandaging, cover polarizing, pressure addition, cover planting, electricity generation, food storage with coated paper, odor absorption, aromatherapy, moisturizing, cleansing, dust trapping, glow-in-the-dark, water and leakage proofing, and ingredient addition. Leakproof clothing and covering can control and prevent both leakage of body discharge and secretion, and leakage of rain and water. Clothing and covering with ingredient addition includes flavoring ingredient, cleansing ingredient, nutritional ingredient, and health ingredient.**Classifications:****International (IPC 8-9):** A61K9/00 A61N2/06 (Advanced/Invention)**CPC:** A61N2/06 Y10T428/249921**US:** 424/402 428/221 600/15**Family:**

Publication number	Publication date	Application number	Application date
US2015071978 AA	20150312	US20130089362	20131125

Priority:

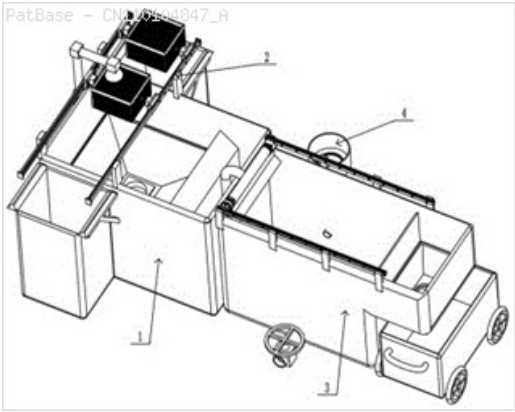
US20130874967P 20130906

US20130089362 20131125

Probable Assignee: CHANG ALICE**Assignee(s):** (std): CHANG ALICE**Inventor(s):** (std): CHANG ALICE**5) Family number: 75455921 (CN110104847A)**

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Title: INTELLIGENT DISCHARGE TREATMENT DEVICE FOR CHEMICAL-PLANT WASTEWATER**Abstract:** The invention discloses an intelligent discharge treatment device for chemical-plant wastewater. The device includes a sedimentation platform, a filtering part, an air flotation platform and an air-flotation dispenser. The sedimentation platform comprises a sewage inlet pipe, sewage is discharged into a filter box of the filtering part through the sewage inlet pipe for filtering, filtered water is subjected to sedimentation through a sedimentation funnel, sediments are discharged from a sediment discharge hole, the water obtained after sedimentation enters a filtered water storage box and then pumped into an air flotation box through a water pump, the air-flotation dispenser dispenses agents for an air-flotation reaction to make the sewage generate bubbles, a scraper blade is driven through an active cell b to scrape away the bubbles into a bubble storage box, then the bubbles are discharged in a bubble dirt disposal truck and carried away, the water meeting the standard is discharged or recycled by manually switching on a hand valve, sewage is fully purified, the environment is protected, relatively large dregs and some harmful substances in the sewage can be more thoroughly removed, a manual operation step can be omitted, and automatic sewage discharge treatment can be achieved.**Classifications:****International (IPC 8-9):** C02F9/04 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN110104847 A	20190809	CN201910518442	20190615

Priority:

CN201910518442 20190615

Probable Assignee: WEIFANG UNIV OF SCIENCE AND TECHNOLOGY

Assignee(s): (std): WEIFANG UNIV OF SCIENCE AND TECHNOLOGY

Inventor(s): (std): PENG BIN

6) Family number: 3684850 (SU1291547A)

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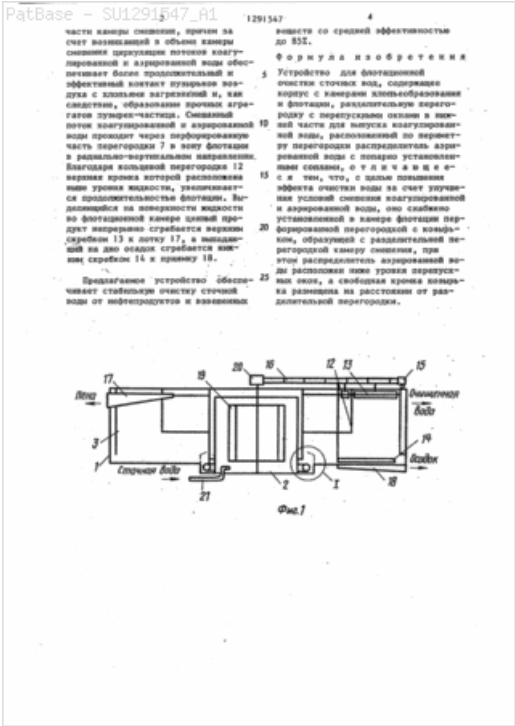
Title: ARRANGEMENT FOR FLOTATION TREATMENT OF WASTE WATER

Abstract: Source: SU1291547A **Machine translation:** Invention relates to apparatus for the flotation of petrochemical wastewater treatment, chemical plants and neftepererabatyuyuschih of oil contained therein, mechanical, contaminants in the portion of the colloidal substances. The aim of the invention is to increase the effect of wastewater treatment by improving the conditions of mixing coagulated and aerated water. The apparatus includes a housing chamber flocculation, flotation chamber with the chamber biasing the divider with the windows in its lower part, a perforated partition separating the flotation cell in the mixing chamber, an aerated water dispenser as an annular duct with oppositely directed soda-Lamy annular baffle scraper with upper scraper bottom scraper, rotary engine and farm tray to collect and foam pits to collect the precipitate. 3 ill. § (A)

Classifications:

International (ipc 8-9): C02F1/24 (Advanced/Invention); C02F101/32 C02F103/34 (Advanced/Non-invention); C02F1/24 (Core/Invention)

International (ipc 1-7): C02F1/24



Family:

Publication number	Publication date	Application number	Application date
SU1291547 A1	19870223	SU19853983867	19851016

Priority:

SU19853983867 19851016

Probable Assignee: G PI SOYUZVODOKANALPROEKT

Assignee(s): (std): G PI SOYUZVODOKANALPROEKT ; VNII VODOSNABZHENIYA

Assignee(s): VNII VODOSNABZHENIYA KAHAOO A OO XO POTEXHOUECKOX ; VNII VODOSNABZHENIYA KAHAOO³A OO XO POTEXHOUECKOX COOPOOEEHOOE O OHOOEHEPHOOOE XO POXEOOOXOO BO XEO ; VNII

VODOSNABZHENIYA KAHAAO³A|oo xo⁻POTEXHOUECKOX COOPOOEEHOOE o OHOOEEHPOHOOE
xo⁻POxEOOOxoo BO⁻xEO

Inventor(s): (std): MELTSEY MIKHAIL Z ; MENSHTIN YURIJ A ; MIRONCHIK GENNADIJ M ; MYASNIKOV IGNAT N ;
TSVETKOV VALENTIN A

Inventor(s): TSVETKOV VALENTIN A SU ; MYASNIKOV IGNAT N SU ; MIRONCHIK GENNADIJ M SU ; MENSHTIN
YURIJ A SU ; MELTSEY MIKHAIL Z SU

7) Family number: 73724960 (UY4657U)

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Title: PLANTADORA DE ARBOLES CON DIVERSOS DOSIFICADORES Y PREPARADOR DEL SUELO Planter of Trees WITH
VARIOUS DISPENSERS AND SOIL PREPARER (Machine translation)

Abstract: Source: UY4657U [ES] Vehiculo para la plantacion de plantines, formado por una plataforma que puede ser
arrastrada por un tractor, que tiene un despejador de ramas y rastrojo de cosechas compuesto por un disco giratorio, una
"bota" abresurco, un sistema rotatorio de preparacion de suelo, una pua subsoladora, un sistema de plantacion compuesto
por un conducto por el que desciende la plantula y que puede perforar un orificio para luego insertar la plantula, por un
dosificador de fertilizante, y por un dosificador de gel y/o agua, y finalmente ruedas tapadores que terminan de tapar y
apretar la tierra contra la planta. **Machine translation:** Vehicle for the planting of seedlings, formed by a platform that can
be pulled by a tractor, having a despejador of branches and stover crops composed of a rotating disk, a 'boot' abresurco, a
rotary system for the preparation of soil, a subsoiler spike, a plantation system comprises a conduit through which descends
the seedling and that can drill a hole and then insert the seedling, for a dispenser of fertilizer, and by a gel dispenser and/or
water, and finally ending of the earth's tapadores Wheels cover and tighten against the plant.

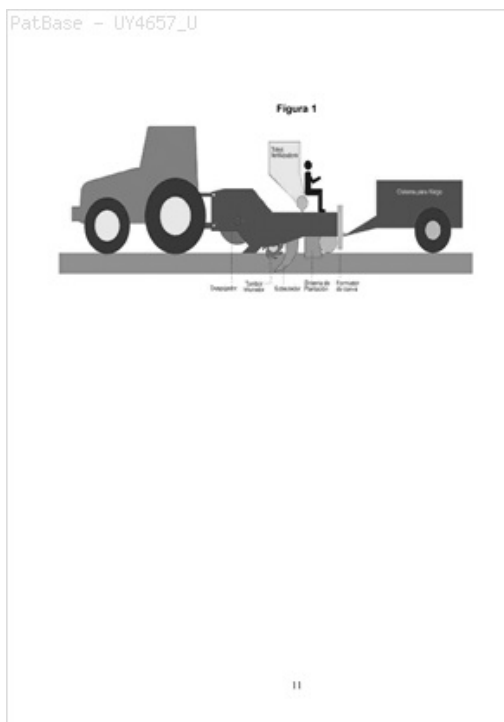
Classifications:

International (IPC 8-9): A01C11/02 A01C5/04 A01C5/08

A01G25/09 (Advanced/Invention)

International (IPC 1-7): A01C5/08

CPC: A01C5/08



Family:

Publication number	Publication date	Application number	Application date
BR202018015332 U2	20190326	BR20182015332U	20180726
UY4657 U	20190228	UY20170004657U	20170726

Priority:

UY20170004657U 20170726

Probable Assignee: HARTWICH CARLOS

Assignee(s): (std): CARLOS HARTWICH ; HARTWICH CARLOS

Inventor(s): (std): CARLOS HARTWICH ; HARTWICH CARLOS