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Search 7: 4 and carbon (Results 37)

Title: AIR **PURIFIER** APPARATUS

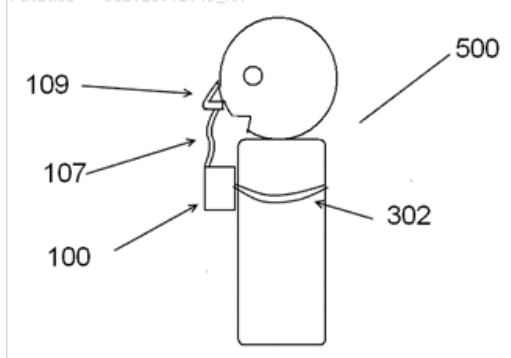
Abstract: The invention relates to a modular, portable, air **purifier** device capable of supplying filtered or otherwise conditioned airflow to an individual. More specifically, the present invention provides an air purification system that allows for the remote detection and analysis of local ambient air quality and transmit that information to wirelessly connected devices.

Classifications:

International (IPC 8-9): A61L9/00 A61M16/00 A61M16/06 A61M16/10 A62B18/02 A62B18/08 A62B23/02 A62B7/00 A62B7/02 A62B7/08 A62B7/10 A62B9/02 B01D53/00 B01D53/04 B01D53/22 (Advanced/Invention)

CPC: A62B9/006 A62B7/10 A62B18/006 A62B19/00 A61M16/105 A62B7/08 A61M16/0066 A62B7/02 A62B18/025 B01D53/0454 B01D2259/4533 B01D2256/12 B01D2259/40088 A61M2210/0618 A61M16/021 A61M16/06 A61M16/101 A61M16/1055 A61M16/107 A61M16/1075 A61M16/16 A61M2016/1025 A61M2205/0205 A61M2205/053 A61M2205/3368 A61M2205/3653 A61M2205/50 A61M2205/8206 A61M2209/088 B01D53/0415 B01D53/047 B01D2253/102 B01D2253/108 B01D2257/106 B01D2257/90 B01D2259/4541 A62B23/02 B01D53/22 A62B18/088 A62B9/02

PatBase - US2018001049_RH



Family:

Publication number	Publication date	Application number	Application date
AP201609587 A0	20161130	AP20160009587	20161124
CA2947557 AA	20180418	CA20162947557	20161103
US2018001049 AA	20180104	US20160197152	20160629
US2018104517 AA	20180419	US20160296725	20161018
WO17192497 A1	20171109	WO2017US30521	20170502

Priority:

US20160144540 20160502 US20160197152 20160629 US20160296725 20161018

Probable Assignee: SCHULLER CARMEN

Assignee(s): (std): SCHULLER CARMEN

Inventor(s): (std): SCHULLER CARMEN

Agent(s): GOWLING WLG CANADA LLP; GARNER JORDAN ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: SYSTEMS, METHODS AND ARTICLES FOR ENHANCING WELLNESS ASSOCIATED WITH HABITABLE ENVIRONMENTS

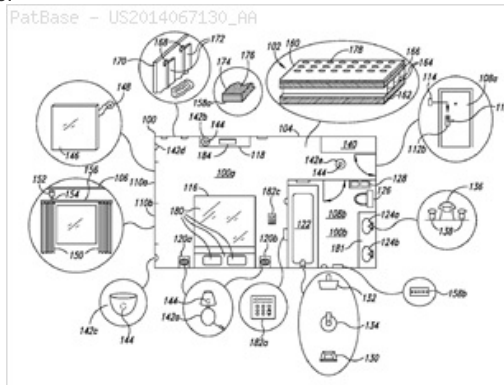
Abstract: Environmental characteristics of habitable environments (e.g., hotel or motel rooms, spas, resorts, cruise boat cabins, offices, hospitals and/or homes, apartments or residences) are controlled to eliminate, reduce or ameliorate adverse or harmful aspects and introduce, increase or enhance beneficial aspects in order to improve a "wellness" or sense of "wellbeing" provided via the environments. Control of intensity and wavelength distribution of passive and active illumination addresses various issues, symptoms or syndromes, for instance to maintain a circadian rhythm or cycle, adjust for "jet lag" or season affective disorder, etc. Air quality and attributes are controlled. Scent(s) may be dispersed. Hypoallergenic items (e.g., bedding, linens) may be used. **Water** quality is controlled. Noise is reduced and sounds (e.g., masking, music, natural) may be provided. Passive and active pathogen controls are employed. Controls are provided for the occupant and/or facility personnel, as is instruction, and surveys, including assessing wellness.

Classifications:

International (IPC 8-9): A61L2/00 A61L9/00 A61L9/20 A61M21/00 A61M21/02 B60H3/00 F24F11/00 F24F11/02 F24F3/12 G05B15/02 G05B19/04 G05B19/048 G05B19/05 G05B19/406 G05B19/414 G05D27/02 G06F19/00 G06F3/16 H04L12/28 H05B37/02 (Advanced/Invention); A61L2/00 A61L9/00 A61L9/20 A61M21/00 A61M21/02 A61N5/06 B05B1/18 B60H3/00 E03C1/046 F24F11/00 F24F11/30 F24F12/10 F24F12/14 F24F3/12 F24F3/16 G05B15/02 G05B19/048 G06F19/00 G06F3/16 G16H40/20 H04L12/28 H05B37/02 (Advanced/Non-invention); G05B (Subclass/Invention)

CPC: H05B37/02 A61L2/00 A61L9/00 A61M21/0094 A61M2021/0011 A61M2021/0016 A61M2021/0022 A61M2021/0027 A61M2021/0044 A61M2021/0066 A61M2205/0205 A61M2205/0238 A61M2205/3368 A61M2205/3553 A61M2205/3561 A61M2205/3584 A61M2205/3592 A61M2205/42 A61M2205/50 A61M2205/505 A61M2205/6018 A61M2205/6054 A61M2205/7509 A61M2205/7518 A61M2205/7545 A61M2230/04 A61M2230/50 A61M2230/63 A61N5/0618 B05B1/18 E03C1/046 F24F3/12 F24F11/0008 F24F11/0034 F24F2003/1689 G05B15/02 G05B2219/2642 H04L12/2816 H04L12/2827 G06F3/165 A61L9/20 A61M2021/0083 A61M2205/13 A61M2205/52 A61M2205/6063 A61M2230/005 A61L2209/11 G06F19/327 G06F19/3418 H05B37/0209 F24F2011/0036 A61M21/02 B60H3/0007 H05B37/0227 H05B37/0245 G05D27/02 G05B19/048 G05B19/054 G05B2219/1103 Y02A90/22 Y02A90/26 H04L12/2829 F24F11/30 F24F2120/10 F24F2120/14 G16H40/20

US: 315/152 315/297 700/275



Family:

Publication number	Publication date	Application number	Application date
AU2013308871 AA	20140306	AU20130308871	20130828
AU2013308871 BB	20170413	AU20130308871	20130828
AU2017200995 AA	20170309	AU20170200995	20170214
BR112015004595 A2	20170704	BR20151104595	20130828
CA2882537 AA	20150219	CA20132882537	20130828
CN104685428 A	20150603	CN201380051774	20130828
CN104685428 B	20170301	CN201380051774	20130828
CN106950908 A	20170714	CN201710064242	20130828
EP2891019 A1	20150708	EP20130833105	20130828
EP2891019 A4	20160831	EP20130833105	20130828
EP3297218 A1	20180321	EP20170167920	20130828
HK1210287 A1	20160415	HK20150111040	20151109
JP2015534701 T2	20151203	JP20150529995T	20130828
MX2015002618 A1	20160122	MX20150002618	20130828
MX350468 B	20170907	MX20150002618	20130828
US2014067130 AA	20140306	US20130012444	20130828
US2017136206 AA	20170518	US20170409233	20170118
US2017139386 AA	20170518	US20170421022	20170131
US9715242 BB	20170725	US20130012444	20130828
WO14036133 A1	20140306	WO2013US57070	20130828

Priority:

US20120694125P	20120828	AU20130308871	20130828	US20130012444	20130828
CN201380051774	20130828	EP20130833105	20130828	WO2013US57070	20130828
US20170409233	20170118	US20170421022	20170131	AU20170200995	20170214

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Assignee(s): MACARY RICHARD A ; PILLAI DANA S ; STODOLA NATHAN B ; TERMALE RENATO P

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Inventor(s): DANAS S PILLAI

Agent(s): FB RICE; FB RICE PTY LTD; FASKEN MARTINEAU DUMOULIN LLP; CBDL PATENTANWAELE; SEED IP LAW GROUP LLP; ABRAMONTE FRANK ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE 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 SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: TUBULAR ELECTRO-LUMINESCENT **PANEL**(S) LIGHT DEVICE

Abstract: A tubular Electro-Luminescent **panel**(s) light device offer a desired bending directions with super brightness basing on certain width of **panel** incorporated proper inverter system. The said **panel**(s) with much narrow width than tube means to allow the **panel**(s) can be bend at any direction and angle within the tube means to offer a desired light effects. The said **panel**(s) can be flat or twisted within the tube means which may have the desired colored, transparency, wall thickness, diameter, shape, length for requirement. The said device may incorporated with non-elastic means, magnetic means, tube holder, sensor means, Integrated circuit to add a lot of desired variety features.

Classifications:

International (IPC 8-9): A41D27/08 A41G1/00 A42B1/24 A43B3/00

A45C15/06 B60Q1/26 B60Q3/02 B60R11/00 B60R13/00 C10G1/00

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F21K9/232 F21K9/235 F21K9/60 F21K9/65 F21K99/00 F21L13/00

F21L14/00 F21L4/00 F21L4/02 F21L4/08 F21S10/00 F21S10/02

F21S10/06 F21S2/00 F21S4/00 F21S4/28 F21S6/00 F21S8/00

F21S8/08 F21S9/02 F21V1/00 F21V1/10 F21V11/00 F21V11/08

F21V13/00 F21V13/02 F21V14/00 F21V14/02 F21V14/06 F21V14/08

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F21V23/04 F21V23/06 F21V25/02 F21V29/00 F21V29/502 F21V29/70 F21V3/00 F21V3/02 F21V31/00 F21V33/00 F21V5/00

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G06T7/20 G06T7/70 G08B13/24 G09F13/18 G09F13/22 G09F23/00 G09F23/04 G09F9/33 G09G3/30 G09G3/32 H01L21/00

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F21Y115/10 F21Y2115/10 F21Y2115/30 G01S3/786 G02B5/32 G03B21/14 G09F13/22 H01H9/18 H01J7/44 H01R103/00

H01R13/713 H01R24/76 (Advanced/Non-invention);

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H01R33/00 H05B37/02 (Core/Invention);

B60R13/02 G02B5/32 (Core/Non-invention)

International (IPC 1-7): F21V21/00 F21V21/08 F21V9/16 G01D11/28 G02B6/04 H01J1/62 H01R11/00

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H04M1/05 H04M1/6058 F21S10/066 H05B33/0857 A43C9/02 F21V19/02 F21V1/00 F21V3/00 F21V23/045 F21V5/048

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H04M1/05 H04M1/60T2B H05B33/08D K61L209/120 L60R11/00R4A15 L60R13/02R R21S10/06 R21S2/00A R21S8/03G1

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US: 1/1 29/595 29/825 307/31 313/498 313/511 313/512 315/155 315/160 315/250 315/287 315/314 315/317 315/32

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348/E5.026 348/E5.043 348/E5.09 348/E7.085 348/E9.025 349/5 349/62 352/133 353/10 353/101 353/103 353/119 353/122

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362/34 362/35 362/362 362/369 362/372 362/375 362/382 362/390 362/394 362/397 362/404 362/421 362/427 362/457

362/487 362/555 362/562 362/565 362/603 362/640 362/641 362/642 362/643 362/644 362/645 362/646 362/647 362/648

362/659 362/8 362/800 362/806 362/84 362/85 362/86 362/87 362/88 362/92 362/95 362/96 362/97.1 363/178 368/10

368/223 368/227 368/242 368/278 368/67 368/80 368/82 368/84 396/155 439/11 439/131 439/165 439/31 439/490 439/502

439/536 439/6 439/638 439/8 713/300

Family:

Publication number	Publication date	Application number	Application date
US2003231485 AA	20031218	US20020170584	20020614
US2003231486 AA	20031218	US20020286820	20021104
US2003231487 AA	20031218	US20020286871	20021104
US2004022052 AA	20040205	US20030341519	20030114
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Probable Assignee: TORMACH LLC

Assignee(s): (std): CHIEN TAENG LU ; CHIEN TSENG L ; CHIEN TSENG LU ; TORMACH LLC ; WALLAGE RAYMOND ROGER

Inventor(s): (std): WALLAGE RAYMOND ROGER ; CHIEN TSENG LU ; CHIEN TSENG L ; CHIEN TAENG LU

Inventor(s): CHIEN TSENG

Agent(s): BACON AND THOMAS PLLC ; ROBERT

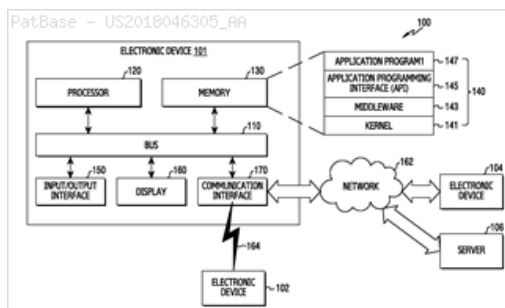
Title: INPUT DEVICE AND ELECTRONIC APPARATUS COMPRISING THE SAME

Abstract: According to one or more embodiments, an electronic device includes a housing including a first surface facing a first direction and a second surface facing a second direction opposite to the first direction, where a transparent cover forms at least one part of the first surface. The electronic device also includes a touch screen display disposed between the first surface and second surface of the housing and exposed through the transparent cover, a pressure sensor disposed between the touch screen display and the second surface of the housing, and having an active area for sensing pressure placed on the first surface by an external object and an inactive area disposed around the active area, a Printed Circuit Board (PCB) disposed between the pressure sensor and the second surface of the housing, and an electrically conductive connection member for electrically connecting the pressure sensor and the PCB. The electrically conductive connection member may be at least partially overlap with the active area of the pressure sensor when the electronic device is viewed in the second direction. Other embodiments are also disclosed.

Classifications:

International (IPC 8-9): G06F1/16 G06F3/041 G06F3/044 H04M1/02 H05B33/14 (Advanced/Invention)

CPC: G06F3/0414 G06F3/044 G06F1/1626 G06F1/1637 H04M1/0266 H05B33/145 G06F2203/04104 G06F2203/04105 H05K2201/10128 H05K1/147 H05K2201/10151 H05K2201/10318 G06F2203/04103 G06F2203/04106



Family:

Publication number	Publication date	Application number	Application date
KR20180017507 A	20180221	KR20160101407	20160809
US2018046305 AA	20180215	US20170672570	20170809

Priority:

KR20160101407 20160809

Probable Assignee: SAMSUNG ELECTRONICS CO LTD

Assignee(s): (std): SAMSUNG ELECTRONICS CO LTD

Assignee(s): SAMSUNG ELECTRONICS CO

Inventor(s): (std): BYEON HYUNG SUP ; BYEON HYUNGSUP ; HONG HYUN JU ; JEONG JEONG SIK ; JEONG JEONGSIK ; KANG HAN VIT ; KANG HO KYUNG ; KIM BYEONG CHEOL ; KIM JUNG WON ; KIM KWANG TAI ; PARK KYUNG WAN ; PARK KYUNGWAN

Title: **Water** filters and processes for using the same

Abstract: A filter for providing potable **water** is provided. The filter includes a housing having an inlet and an outlet, a filter material disposed within the housing which is formed at least in part from a plurality of filter particles. The filter particles have a point of zero charge greater than about 7 and the sum of the mesopore and macropore volumes of the plurality of filter particles is greater than about 0.12 mL/g.

Classifications:

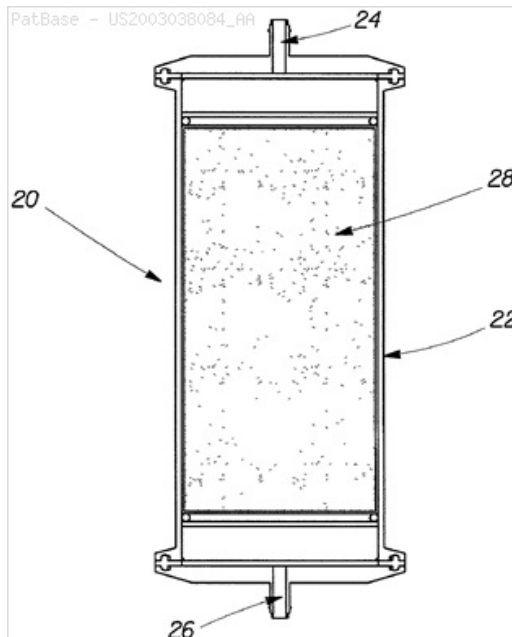
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International (IPC 1-7): B01D11/00 B01D24/10 B01D27/02 B01D29/54 B01D35/00 B01D35/02 B01D35/14 B01D39/00 B01D39/06 B01D39/14 B01D39/20 B01J20/20 B01J20/28 B01J20/30 C01B31/08 C01B31/12 C01B7/24 C02F1/00 C02F1/28

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European: B01D39/04 B01D39/16B4 B01D39/20B B01D39/20F B01D39/20F2 B01D39/20F2B B01D39/20F4 B01D39/20H2 B01J13/04B B01J20/02B14 B01J20/20 B01J20/28 B01J20/28B4 B01J20/28D20 B01J20/28D4 B01J20/28D8 B01J20/28F12B B01J20/28F12D B01J20/28F12F B01J20/28F8 B01J20/30 B01J20/30P B01J20/32F4D B01J20/32F8F C02F1/00D4 C02F1/28D C02F1/28L C02F9/00B L01D239/02D L01D239/04H L01D239/04P L01D239/04P4 L01D239/04P6 L01D239/06B20 L01D239/06B30 L01D239/06B31 L01D239/06B41 L01D239/08D L01D239/10 L01D239/12B L01D239/12D L01D239/12K L01D239/12M L01D239/12Y L01J220/42 L01J220/66 M02F1/00D M02F1/28B M02F1/28D M02F1/50 M02F1/50B M02F1/66 M02F201/00D8 M02F209/04 M02F209/22 M02F209/40 M02F209/44 M02F303/04 M02F307/04

US: 210/110 210/110P 210/137 210/137S 210/232 210/257.1 210/257.100S 210/263 210/263S 210/266 210/282 210/287 210/287S 210/435 210/446 210/449 210/449S 210/473 210/477 210/500.21 210/500.210S 210/501 210/502.1 210/502.100P 210/502.100S 210/503 210/504 210/505 210/506 210/507 210/508 210/510.1 210/510.100S 210/649 210/662 210/663 210/669 210/669S 210/692 210/694 210/767 210/94 210/94P 423/460 423/460S 423/466 423/466S 502/423



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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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 KN KP KR KZ LC LI 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 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: HYBRID TRIGENERATION SYSTEM BASED MICROGRID COMBINED COOLING, HEAT AND POWER PROVIDING HEATING, COOLING, ELECTRICAL GENERATION AND ENERGY STORAGE USING AN INTEGRATED AUTOMATION SYSTEM FOR MONITOR, ANALYSIS AND CONTROL

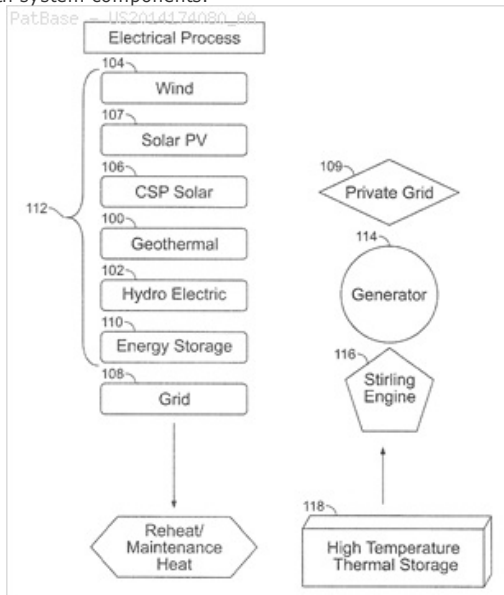
Abstract: Provided is a consumer to industrial scale energy trigeneration process based microgrid combined cooling, heat and power. The present invention includes conversion, processing, extraction and/or storage systems for electrical, chemical and thermal energy. The invention provides a quintessential renewable energy ecosystem incorporating vital energy generation, thermal heating and cooling processes with integrated components installed to encompass a distributed renewable energy generation, energy storage and integrated automation system. The automation system of the invention provides the ability to view, monitor, analyze, control and interact with system components.

Classifications:

International (ipc 8-9): A01G31/02 A01G7/04 B29C45/17 C04B7/36 C10B53/00 C10B57/00 C10B57/10 C12M1/00 C12M1/34 C12M1/36 C12P7/06 C12P7/10 C21C5/52 C21D1/32 C22C33/08 C25C3/06 D01F9/12 D01F9/32 F01K13/00 F01K13/02 F01K23/10 F01K25/00 F01K25/10 F01K27/02 F01K3/00 F01K3/02 F01K3/12 F02C1/05 F02G1/043 F02G1/044 F02G1/053 F02G1/055 F02G1/057 F02G5/02 F03D7/04 F03D9/18 F03G4/00 F03G6/00 F03G6/06 F03G7/00 F03G7/04 F03G7/10 F22B1/00 F24J2/00 F24J2/12 F24J3/00 F25B15/00 F25B27/00 F25B27/02 F25B9/14 F28D20/00 H01M8/00 H01M8/04 H01M8/0662 H02J3/28 H02J3/38 H02K7/18 H02S10/10 H02S40/22 H05B37/02 (Advanced/Invention); F01K F02C F03G F22B F28D H02K (Subclass/Invention)

International (ipc 1-7): F01K13/00 F01K13/02 F01K25/00 F01K3/00 F02G1/043 F03G6/00 F03G7/04

CPC: A01G31/02 A01G7/045 H05B37/0245 C12M21/02 C12M21/04 C12M41/06 C12M41/12 C12M41/48 C12M43/00 Y02P20/59 Y02T10/166 A01G31/00 F03G6/064 F22B1/006 F28D20/003 F28D20/0082 F28D20/0086 Y02E10/52 Y02E50/16 Y02E50/17 Y02P10/138 Y02P60/216 F01K3/02 F01K3/12 F01K23/10 F03G6/00 Y02B10/20 Y02P80/15 Y02P10/32 Y02P80/25 A01K63/04 F02G2254/30 Y02A20/142 F28D20/00 A01G22/00 F01K3/00 F01K13/00 F01K13/02 F01K25/00 F02G1/043 F03G6/067 F03G6/068 F03G7/04 F24J2/07 F24J2/14 F24J2/18 F24J2/461 F24J2/5241 F24J2/541 F24J2002/5462 F28D20/0039 Y02E10/41 Y02E10/45 Y02E10/46 Y02E10/47 Y02E20/14 Y02E60/142 Y02E70/30 Y02P80/24
US: 126/694 220/592.2 315/297 47/58.1LS 47/62R 60/516 60/517 60/641.1 60/698 62/331



Family:

Publication number	Publication date	Application number	Application date
AU2015203118 AA	20150709	AU20150203118	20150611
AU2017204250 AA	20170713	AU20170204250	20170622
BR112015011248 A2	20171219	BR20151111248	20131115
CA2891435 AA	20151211	CA20152891435	20150514
CA2930794 AA	20160513	CA20132930794	20131115
CA2973565 AA	20170711	CA20142973565	20140501
CN104919144 A	20150916	CN201380070520	20131115
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EP2920432 A2	20150923	EP20130799442	20131115
EP2955372 A2	20151216	EP20150275151	20150610
EP2955372 A3	20160629	EP20150275151	20150610
HK1218148 A1	20170203	HK20160106103	20160530
JP2016000995 A2	20160107	JP20150116207	20150609
JP2016503477 A2	20160204	JP20150542822	20131115
JP2016503477 T2	20160204	JP20150542822T	20131115
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Priority:

US20120727108P 20121115	US20130859377P 20130729	US20130877467P 20130913
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Probable Assignee: FRIESTH KEVIN LEE

Assignee(s): (std): FRIESTH KEVIN ; FRIESTH KEVIN LEE ; KEVIN LEE FRIESTH

Inventor(s): (std): FRIESTH KEVIN ; FRIESTH KEVIN LEE ; KEVIN LEE FRIESTH

Agent(s): SPRUSON AND FERGUSON; BORDEN LADNER GERVAIS LLP; POTTER CLARKSON LLP; HIROE AND ASSOCIATES PATENT PROFESSIONAL CORP; BRIAN J; JESSICA L; BRICK GENTRY PC; LAURENZO BRIAN J

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

Title: DESCENDING SYSTEMS AND METHODS

Abstract: The present invention, in certain aspects, discloses systems and methods for treating a human being and/or items with descending material, the systems, in certain aspects, including a generator for producing descending material, and, in certain aspects at least one direction apparatus in communication with the generator for receiving produced descending material from the generator and for directing said descending material in a desired direction.

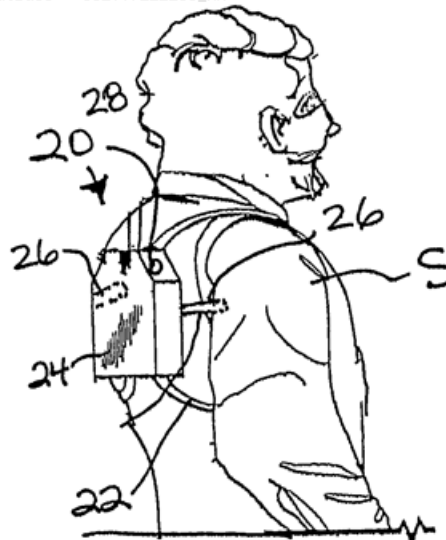
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A61L2/16 A61L2/20 A61L2/24 A61L9/00 A61L9/01 A61L9/015
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G08B21/00 (Advanced/Invention);
A61L2/00 A61L2/18 A62B7/08 (Advanced/Non-invention);
A01K15/00 A01K29/00 A61L2/00 A61L2/16 A61L9/00
A61L9/015 (Core/Invention);
A01K A61L (Subclass/Invention)

CPC: G01N33/0063 Y10S119/905 A01M31/025 E04H15/001
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Y02A50/25

European: A61L2/18L A61L2/20C A61L9/015 A61L9/20 A61L9/22
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US: 119/712 119/712S 119/905 135/96 340/540 340/540S 340/632
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422/292S 422/3 422/3S 422/5 422/5P 422/5S 43/1 43/1S 436/135

PatBase - US2007212253_AA



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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US20170615966 20170607 US20170616146 20170607

Probable Assignee: PARAH LLC

Assignee(s): (std): ELROD SCOTT ; ELROD SCOTT A ; LUCAS BRIAN RONALD ; OZONICS LLC ; ROONEY PETER C ; PARAH LLC

Assignee(s): PARAH LLC3715 COUNTY ROAD 36ANGLELONTX77515US ; ELROD SCOTT36A - 3715 COUNTY ROADANGLELONTX77566US ; ELROD SCOTT3715 COUNTY ROAD 36AANGLELONTX77515US ; FIRST STATE BANK

Inventor(s): (std): ELROD SCOTT ; ELROD SCOTT A ; ROONEY PETER C

Inventor(s): ELROD SCOTT36A - 3715 COUNTY ROADANGLELONTX77566US ; ELROD SCOTT3715 COUNTY ROAD 36AANGLELONTX77515US

Agent(s): FINCHAM ERIC; OYEN WIGGS GREEN AND MUTALA LLP; GUY MCCLUNG; DYKEMA GOSSETT PLLC; GUY L MCCLUNG III; HOLLAND AND HART; MORRISS OBRYANT COMPAGNI PC; HOLLAND AND HART LLP; MORELLA TIMOTHY ET AL; TUSHIN RICHARD H; LUCAS BRIAN RONALD; COMPAGNI FRANK W ET AL

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

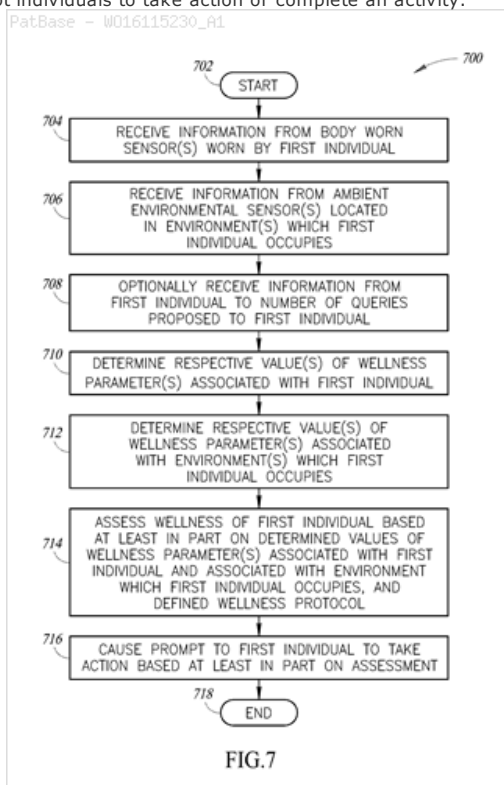
Title: SYSTEMS, METHODS AND ARTICLES FOR MONITORING AND ENHANCING HUMAN WELLNESS

Abstract: Wellness monitoring systems and methods that account for both environmental characteristics of habitable environments (e.g., hotel or motel rooms, spas, resorts, cruise boat cabins, offices, hospitals and/or homes, apartments or residences) and biometric feedback. The wellness monitoring systems collect data from a plurality of environmental sensors in one or more habitable environments and collect data from a plurality of body worn sensors. The wellness monitoring systems analyze the collected data to generate reports and/or prompt individuals to take action or complete an activity.

Classifications:

International (IPC 8-9): A61B5/00 G06F19/00 G06Q10/06
G06Q50/22 G06Q50/24 (Advanced/Invention)

CPC: G06Q50/22 G06F19/3481 G06Q10/0639 G16H40/63 Y02A90/22
Y02A90/26



Family:

Publication number	Publication date	Application number	Application date
AU2016202287 AA	20160728	AU20160202287	20160113
CN107251031 A	20171013	CN201680009629	20160113
EP3245631 A1	20171122	EP20160737803	20160113
WO16115230 A1	20160721	WO2016US13215	20160113

Priority:

US20150102963P 20150113 WO2016US13215 20160113

Probable Assignee: DELOS LIVING LLC

Assignee(s): (std): DELOS LIVING LLC

Inventor(s): (std): MACARY RICHARD A ; PILLAI DANA S ; STEWART SHAUN B

Agent(s): FB RICE; FB RICE PTY LTD; CBDL PATENTANWALTE; SOLTANI BOBBY B ET AL

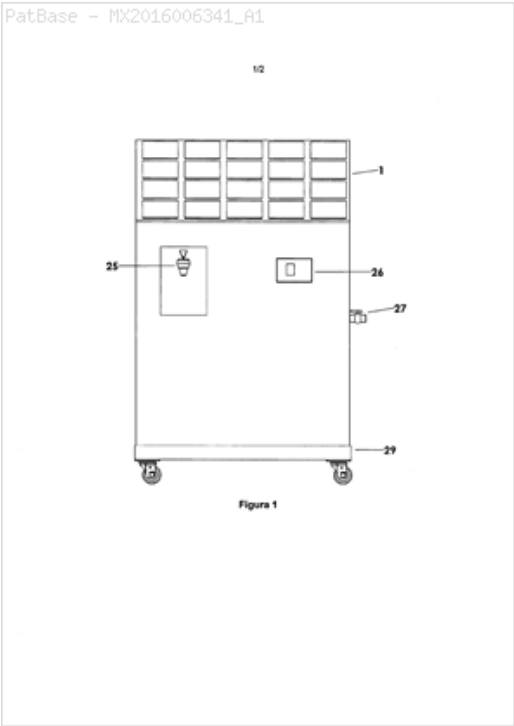
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Title: PORTABLE AND AUTONOMOUS WATER PURIFIER-DESALINATION DEVICE WITH HEAVY METAL DISPOSAL SYSTEM.

Abstract: The present disclosure is related to a portable and autonomous water purifier-desalination device with heavy metal disposal system, that allows treating superficial, underground and saline water for human consumption, with the purpose of being used in those places where there is a lack of electricity and clean water; provided with an elimination and removal system for harmful and toxic pollutants, improving the performance of conventional purification equipment, both solar and wind operated, allowing an extensive range of pollutants elimination using photovoltaic solar energy as a power supply for its operation.

Classifications:

International (IPC 8-9): C02F1/42 C02F1/44 (Advanced/Invention);
C02F101/20 (Advanced/Non-invention);
C02F11/00 (Core/Invention)



Family:

Publication number	Publication date	Application number	Application date
MX2016006341 A1	20171108	MX20160006341	20160509

Priority:

MX20160006341 20160509

Probable Assignee: DULCE KRISTAL BECERRA PANIAGUA

Assignee(s): (std): DULCE KRISTAL BECERRA PANIAGUA

Inventor(s): (std): DULCE KRISTAL BECERRA PANIAGUA ; GUILLERMO ROGELIO IBANEZ DUHARTE ; JOEL MOREIRA ACOSTA ; JOEL PANTOJA ENRIQUEZ

Title: METHODS FOR ENHANCING WELLNESS ASSOCIATED WITH HABITABLE ENVIRONMENTS

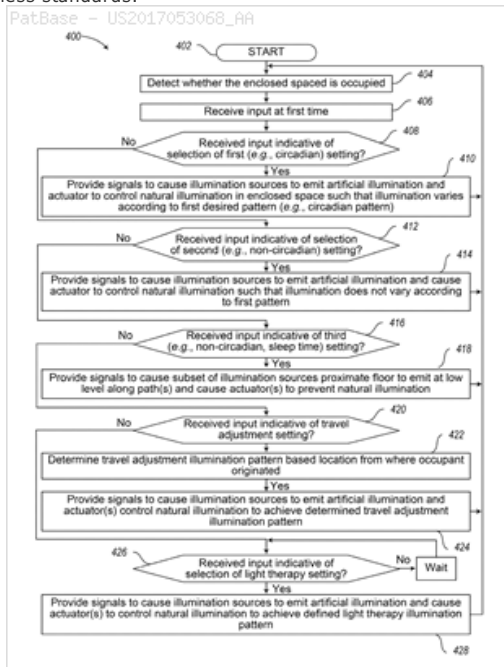
Abstract: Environmental characteristics of habitable environments (e.g., hotel or motel rooms, spas, resorts, cruise boat cabins, offices, hospitals and/or homes, apartments or residences) are controlled to eliminate, reduce or ameliorate adverse or harmful aspects and introduce, increase or enhance beneficial aspects in order to improve a "wellness" or sense of "wellbeing" provided via the environments. Control of intensity and wavelength distribution of passive and active Illumination addresses various issues, symptoms or syndromes, for instance to maintain a circadian rhythm or cycle, adjust for "jet lag" or season affective disorder, etc. Air quality and attributes are controlled. Scent(s) may be dispersed. Noise is reduced and sounds (e.g., masking, music, natural) may be provided. Environmental and biometric feedback is provided. Experimentation and machine learning are used to improve health outcomes and wellness standards.

Classifications:

International (IPC 8-9): A61B5/0205 F24F11/00 G05B15/02 G05B19/048 G06F19/00 G06Q50/10 G06Q50/12 G06Q50/16 G06Q50/22 (Advanced/Invention)

CPC: G06Q50/16 G06F19/322 G06Q50/12 G05B15/02 A61B5/02055 A61B5/024 G05B19/048 G05B2219/2614 A61B5/0476 A61B5/0816 A61B5/14542 G06Q50/10 G06Q50/22 F24F11/30 F24F2120/20 G16H10/60 G16H40/63 Y02A90/22 Y02A90/26 F24F2110/00

US: 700/275 700/276

**Family:**

Publication number	Publication date	Application number	Application date
AU2015223112 AA	20150903	AU20150223112	20150225
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CN106462913 A	20170222	CN201580021358	20150225
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IN201617032677 A	20170120	IN201617032677	20160925
MX2016011107 A1	20170217	MX20160011107	20150225
US2017053068 AA	20170223	US20160249184	20160826
US2017068782 AA	20170309	US20150121953	20150225
WO15130786 A1	20150903	WO2015US17528	20150225

Priority:

US20140946159P 20140228 US20150121953 20150225 WO2015US17528 20150225
 US20160249184 20160826

Probable Assignee: DELOS LIVING LLC

Assignee(s): (std): DELOS LIVING LLC

Assignee(s): GRANGER TREVOR S ; MACARY RICHARD A ; PILLAI DANA S ; STEWART SHAUN B ; STODOLA NATHAN B

Inventor(s): (std): DANA S PILLAI ; GRANGER TREVOR S ; MACARY RICHARD A ; NATHAN B STODOLA ; PILLAI DANA S ; RICHARD A MACARY ; SHAUN B STEWART ; STEWART SHAUN B ; STODOLA NATHAN B ; TREVOR S GRANGER

Agent(s): FB RICE; FB RICE PTY LTD; BORDEN LADNER GERVAIS LLP; CBDL PATENTANWALTE; SOLTANI BOBBY B ET AL

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

Title: CLOSED VIAL FILL SYSTEM FOR ASEPTIC DISPENSING

Abstract: A closed path vial fill system includes a bulk product vial, a peristaltic pump operated by a stepper motor, a dispensing manifold assembly to which may be coupled at least one final product vial, an optional quality check station, and an optional waste collection system. A concentration, activity, and volume (CAV) sensor may be incorporated into the system to receive a radiopharmaceutical product directly from a synthesizing unit. A control system may be integrated into the system to provide automated control of various aspects of the radiopharmaceutical dispensing process. The system is used to aseptically dispense finished radiopharmaceuticals into receiving vessels, such as a Quality Control vial, a sterility vial, and/or final product vials, while providing users an efficient means for removing and discarding contaminated disposable components.

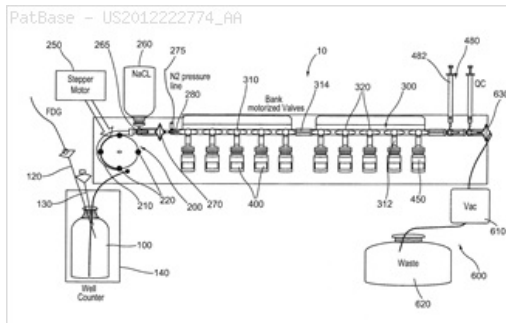
Classifications:

International (IPC 8-9): A61B50/33 A61J1/14 A61J1/20 A61K51/00 A61K51/04 B01J19/00 B01L3/00 B65B1/00 B65B1/04 B65B3/00 B65B37/06 B65D51/18 B65D71/06 C01B7/00 C07B47/00 C07H1/00 C09K3/00 G01N21/75 G01N30/02 G01N31/00 G01T1/161 G01T1/164 G01T1/167 G01T1/24 G01T1/29 G05B15/02 G06F19/00 G21C1/00 H01L31/0203 H01L31/0296 H01L31/08 (Advanced/Invention); G01T1/29 H01L31/0296 (Advanced/Non-invention)

CPC: G01N21/33 G01N21/75 G21G1/10 G21G2001/0015 A61K51/0491 A61J3/002 G01N30/88 G01N2030/8868 C07B59/00 G01N33/15 G21G1/0005 G06Q10/06395 G06Q10/20 B65B3/003 C07H5/02 B01J19/004 G05B15/02 G01T1/24 G01T1/249 H01L31/0296 B01J19/0093 B01J2219/00006 B01J2219/0002 A61J1/2006 A61J1/1406 A61B50/33 B01J2219/00049 B01J2219/00351 B01J2219/00759 B01J19/0006 B01J2219/00355 B01J2219/00585 B01J2219/00693 B01J2219/00702 B01J2219/0072 B01J2219/00722 B65B1/00 B01J19/0046 G01T1/161 G01T1/167 H01L31/085 H01L31/0203 H01L31/02966 G01T1/1648 G01T1/241 G01T1/2928 B65B37/06

European: B65B3/00B B65B37/06

US: 1/1 141/369 141/69 206/223 206/570 250/336.1 250/370.13 250/394 252/184 260/1 422/110 422/119 422/159 422/68.1 422/82.05 423/249 53/473 53/492 536/122 536/28.2 548/327.5 700/268 702/83

**Family:**

Publication number	Publication date	Application number	Application date
US2012222774 AA	20120906	US20110339226	20111228
US2013015361 AA	20130117	US20120550282	20120716
US2013018618 AA	20130117	US20120550030	20120716
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US2013102772 AA	20130425	US20120550425	20120716
US2016001246 AA	20160107	US20150635343	20150302
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Priority:

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Probable Assignee: CARDINAL HEALTH 414 LLC

Assignee(s): (std): BENECKE HERMAN ; BOUTON CHAD E ; CARDINAL HEALTH 414 LLC ; HASSENPLUG ERIC ; GLEESON JIM ; ESHIMA DENNIS ; DANHOF SCOTT N ; HOLDRIDGE JASON T ; GARBARK DANIEL B ; DANHOF SCOT N ; ESHIMA DENNIS ; ESHIMA DENNIS B ; GLEESON JAMES B ; HUSNU MEHMET ; PRESCOTT JIM ; STROUP JEFFERY T ; KLAUSING THOMAS A ; STONE JIM ; ZAMBANINI JOSEPH E ; KELLEY BRIAN C ; PADGETT HENRY ; HOLLEY DAVID A ; STROUP JEFFREY T ; PRESCOTT JAMES A ; ALCAIDE DERRICK

Assignee(s): BATTELLE MEMORIAL INST

Inventor(s): (std): ALCAIDE DERRICK ; DANHOF SCOTT N ; ESHIMA DENNIS ; ESHIMA DENNIS ; GLEESON JIM ; HASSENPLUG ERIC ; HUSNU MEHMET ; PRESCOTT JIM ; ZAMBANINI JOSEPH EDWARD ; STROUP JEFFREY TAYLOR ; KLAUSING THOMAS ALAN ; KELLEY BRIAN CHARLES ; HOLLEY DAVID ARTHUR ; ZAMBANINI JOSEPH E ; STONE JIM ; PADGETT HENRY ; KELLEY BRIAN C ; HOLLEY DAVID A ; GARBARK DANIEL B ; DANHOF SCOT N ; BENECKE HERMAN ; STROUP JEFFREY T ; STROUP JEFFERY T ; PRESCOTT JAMES A ; KLAUSING THOMAS A ; HOLDRIDGE JASON T ; GLEESON JAMES B ; ESHIMA DENNIS B ; BOUTON CHAD EDWARD ; BOUTON CHAD E

Agent(s): AMANDA F; CHESSER WILBURN L ET AL; CHESSER WILBURN L; BERMAN RICHARD J ET AL

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

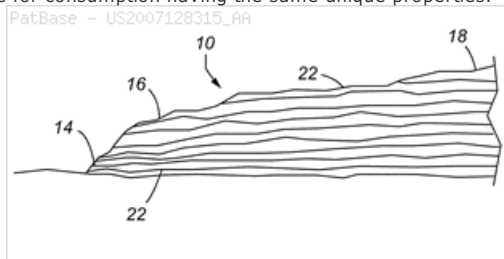
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Title: METHOD AND SYSTEM FOR RECOVERING AND PREPARING GLACIAL **WATER**

Abstract: Methods and systems for grouping, recovering, and processing ice obtained from an ice source, i.e., a glacier, ice sheet, ice cap, etc., are described herein. In particular, the ice obtained from the ice source is separated and grouped according to common unique properties and processed as a beverage for consumption having the same unique properties.

Classifications:

International (IPC 8-9): A23L2/00 A23L2/38 B01D24/10 B60P3/22 B63B25/08 B63B27/00 B65B3/06 B65D88/78 C01B5/00 C02F1/66 C12C5/00 C12C5/02 C12G1/00 F17D1/08 G06Q40/00 (Advanced/Invention); C02F1/00 C02F1/78 C02F103/00 G01N33/18 (Advanced/Non-invention)
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US: 414/800 423/580.1 423/580.100S 426/106 426/383 426/397 426/66 426/66P 426/87 53/415 53/473 705/37



Family:

Publication number	Publication date	Application number	Application date
US2007128315 AA	20070607	US20060551125	20061019
US2011300267 AA	20111208	US20110213818	20110819
US2013071520 AA	20130321	US20120647255	20121008
US2014237951 AA	20140828	US20140271233	20140506
US2015104544 AA	20150416	US20140444806	20140728
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Priority:

US20050728956P 20051021	US20060551125 20061019	US20100303519P 20100211
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Probable Assignee: WATERS OF PATAGONIA SA

Assignee(s): (std): FOUTS MICKEY ; PERALTA TORO AND SATELER ; SZYDLOWSKI ALLEN ; SZYDLOWSKI IAN ; SZYDLOWSKI JUAN CARLOS ; WATERS OF PATAGONIA

Assignee(s): WATERS OF PATAGONIA SA

Inventor(s): (std): SZYDLOWSKI JUAN CARLOS ; SZYDLOWSKI JUAN C ; SZYDLOWSKI IAN ; SZYDLOWSKI ALLEN ; FOUTS MICKEY

Inventor(s): SZYDLOWSKI JUAN

Agent(s): SHERIDAN ROSS PC ; PEARSON KENDRIA E

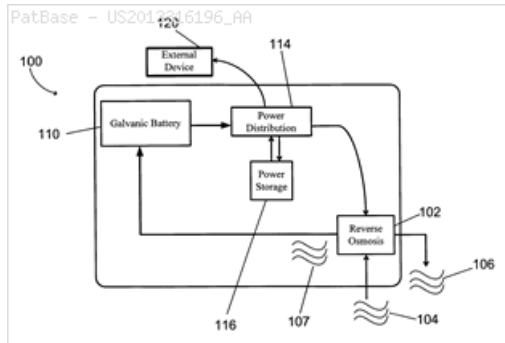
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Title: ENERGY GENERATION SYSTEM AND RELATED USES THEREOF

Abstract: A self contained energy generating system that comprises a galvanic battery and a power distribution system. The energy generating system is used to purify **water** by using a reverse osmosis device that draws in a source of **water** and transfers electrolytes to the galvanic battery. Upon contact with the electrolyte, the galvanic battery produces energy by an oxidation-reduction reaction of the cathode and anode and transfers energy to the power distribution system, which in turn provides power to the osmosis device. Additionally, the system includes a hydrogen fuel cell to increase the amount of energy generated and a power storage device for storing excess energy generated. The system also includes a controller which is configured to regulate the overall operation of the system.

Classifications:

International (IPC 8-9): B01D61/02 B01D61/06 B01D61/12
C02F1/00 C02F1/32 C02F1/44 C02F1/46 H01M16/00 H01M6/32
H01M8/04 H01M8/06 H02N3/00 (Advanced/Invention);
C02F1/32 C02F103/08 H01M8/10 (Advanced/Non-invention)
CPC: C02F1/00 H01M6/32 H01M16/00 C02F2303/10 H01M8/065
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C02F2303/04 Y02W10/30 C02F1/32 C02F1/441 C02F2103/08
C02F2201/009 H01M8/0656 H01M16/003 H01M16/006
H01M2008/1095 H01M2250/407 H02N3/00 Y02E60/50 Y02E60/563
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US: 1/1 210/241 210/321.6 210/321.66 210/652 429/417 429/418
429/421 429/422 429/448 429/72 429/9



Family:

Publication number	Publication date	Application number	Application date
US2013316196 AA	20131128	US20130841760	20130315
US2014193731 AA	20140710	US20140209084	20140313
US2015151983 AA	20150604	US20150616419	20150206
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US9156714 BB	20151013	US20150616419	20150206
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WO13177272 A3	20140206	WO2013US42208	20130522

Priority:

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US20150616419 20150206

Probable Assignee: CONCURRENT TECHNOLOGIES CORP

Assignee(s): (std): CONCURRENT TECH CORP ; CONCURRENT TECHNOLOGIES CORP ; CONCURRENT TECHNOLOGIES CORP CTC

Assignee(s): CONCURRENT TECHNOLOGIES CTC CORP

Inventor(s): (std): POLLOCK MICHAEL ; MCCLUSKEY MICHEL J ; MARKIEWICZ DANIEL R ; BECKER MARK

Agent(s): OBLON MCCLELLAND MAIER AND NEUSTADT LLP; BUCHANAN INGERSOLL AND ROONEY PC; HAMILTON JAMES D ET AL

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

Title: DISTILLATION REACTOR MODULE

Abstract: The distillation reactor consists of a reactor apparatus with corresponding method of upstream distilling and purification of carbon based liquid or liquidized streams for use as fuels, lubricating oils and or gaseous energy and electricity production. The distillation reactor consolidates the atmospheric and vacuum distillation processes along with desalting, defueling, deasphalting, fractionation, thin/wiped film evaporation and vacuum finishing into an advanced high velocity, high volume single reactor system. Carbon based feed streams include either a single stream or preferably, a combined stream of liquefied coal slurries, crude oils, spent oils, Pyrolytic oils and or peat or other plant carbon derived liquids, vapors, mists or gases. The method further consists of controlling the mix ratio, flow velocity, sequential fractionation and filtration technology and processing atmospheres of the carbon feeds with the reactor apparatus. The combined apparatus and method allows for a refinery to consistently produce a finished barrel of oil well below traditional costs and at a higher efficiency than current art and prior art.

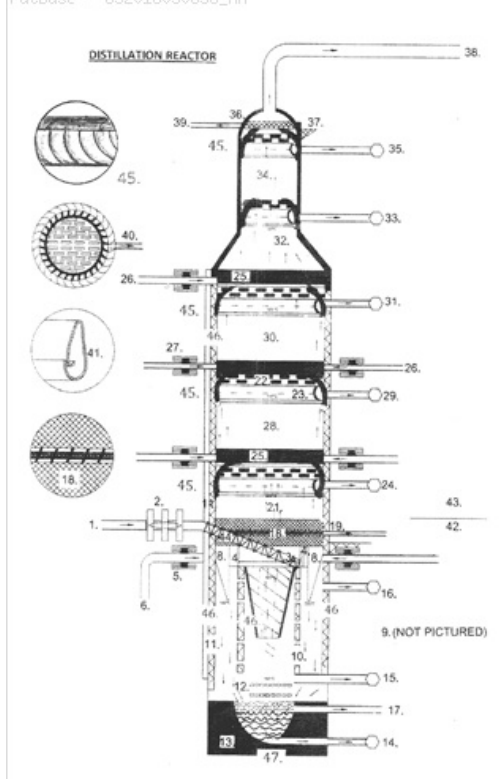
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CPC: Y02E30/40 G21D1/00 B01J19/0093 B01J2219/00864 B01J2219/00867 B01J2219/00871 C01G21/02 C01B3/32 C01B13/02 C01B17/02 C01B2203/0205 C01B2203/0283 C01B2203/043 C01B2203/0445 C01B2203/0475 C10G1/02 C10G1/10 C10G31/08 C10G75/04 Y02P20/129 B09B5/00 Y02P30/446 Y02E30/30 B01D3/10 B01D3/006 B01D3/06 B01D39/2027 F03G7/00 B01D3/009 C10G7/06 G21C1/00 G21D5/00 C10G7/00 C10G57/00 C10G7/003 C10L9/10 C10J3/72 C10G1/00 C01B17/027 C01B17/74 B01J6/008 B01J2/00 B01J19/24 B01D53/48 B01D53/62 C22B9/00 F27B17/00 C02F1/00 C22B7/00 B29B17/00 B22F3/10 B22F9/00 C22B21/00 C22B15/00 C22B13/00 H01M8/00 H01M10/54 H02K55/02 H02K7/09 B02C23/00 B03C1/00 C10L2290/544 C10J2300/093 C10J2300/0946 B22F2009/001 C01B17/48 C10G11/18 C10G33/00 C10G45/00 Y02E20/16 Y02E20/18 Y02W10/33 Y02W10/37 Y02W30/84 C01B32/05 C01B32/20 C01B32/50 Y02P10/143

US: 196/46 202/232 209/213 210/251 241/301 241/65 266/160 310/90.5 422/129 422/170 422/187 422/198 422/255 423/522 423/567.1 429/49 505/163 505/166 60/698

PatBase - US2016030856_AA

**Family:**

Publication number	Publication date	Application number	Application date
CA2907677 AA	20150921	CA20142907677	20140318
EP2969180 A2	20160120	EP20140762668	20140318
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US2016032904 AA	20160204	US20140776736	20140318
US2016045841 AA	20160218	US20140776732	20140515
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WO14200605 A2	20141218	WO2014US31116	20140318
WO14200605 A3	20150326	WO2014US31116	20140318
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Priority:

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Probable Assignee: TRANSTAR GROUP LLC**Assignee(s):** (std): BRADLEY RANDALL ; KALPAN ALLEN ; KAPLAN ALLEN ; TRANSTAR GROUP LTD**Assignee(s):** TRANSTAR GROUP LLC**Inventor(s):** (std): BRADLEY RANDALL ; KALPAN ALLEN ; KAPLAN ALLEN**Agent(s):** ADE AND CO INC; NELLIGAN OBRIEN PAYNE LLP; PERRONACE ANDREA; HERSHKOVITZ ABRAHAM ET AL; HERSHKOTIZ ABRAHAM ET AL

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

Title: APPARATUS AND METHODS FOR CREATING SPARKLING **WATER** FROM THE ATMOSPHERE

Abstract: What is disclosed is a system designed to extract **water** moisture from the atmosphere, highly purify and condition the extracted **water**, and provide optional carbonation of the extracted **water** for human consumption. In one embodiment, the device collects **water**-vapor condensation from filtered intake air, then subjects the condensate to a series of purification filters and to a sterilization process in order to produce drinking **water**, while also providing a means to combine the purified **water** with CO₂ gas to facilitate dispensing carbonated **water** and/or carbonated drinks.

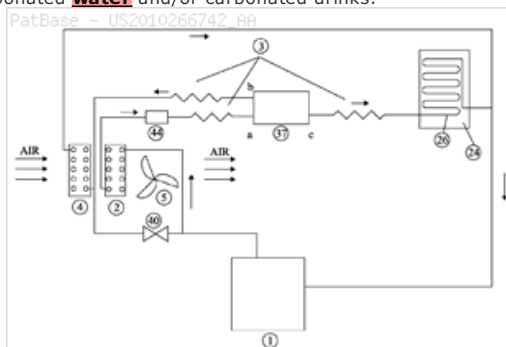
Classifications:

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CPC: C02F2303/24 C02F3/1221 C02F3/1263 Y10T29/49826 B01D5/009 B01D5/0051 B67D1/0004 B67D1/0057 B67D1/0063 B67D1/0859 B67D1/0888 B67D2210/0001 B67D2210/00013 B67D2210/00015 C02F1/283 C02F1/32 C02F1/441 C02F1/68 C02F9/00 Y02W10/37 B01D5/0015 Y02W10/15 Y02A20/109 Y02A20/154

European: B01D5/00B16 B01D5/00F20 B01D5/00K16 B67D1/00E2 B67D1/00H4 B67D1/00H4F2B B67D1/08D2B B67D1/08J L67D210/00B2D L67D210/00B4 L67D210/00B4B M02F1/28D M02F1/32 M02F1/44B M02F1/68 M02F9/00

US: 29/428 29/428S 426/477 426/477P 426/67 62/150 62/150P 62/228.5 62/228.500S 62/264 62/272 62/291 62/291S 62/389 99/323.2 99/323.200S



Family:

Publication number	Publication date	Application number	Application date
CN101731714 A	20100616	CN200910205962	20091117
CN101731714 B	20130123	CN200910205962	20091117
CN102334911 A	20120201	CN201110116658	20110506
CN201742903 U	20110216	CN200920174468U	20091117
CN202099156 U	20120104	CN201120141775U	20110506
EP2593612 A1	20130522	EP20110807190	20110104
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HK1141408 A1	20130919	HK20100107966	20100820
US2010266742 AA	20101021	US20090747902	20091023
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Priority:

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Probable Assignee: ECOLOBLUE INC

Assignee(s): (std): BLUE ECOLOGY CO LTD ; ECOLOBLUE INC ; FERREIRA WAYNE ; TIELEMAN HENRI JAMES

Assignee(s): BLUE ECOLOGY CO

Inventor(s): (std): FERREIRA WAYNE ; HENRI JAMES TIELEMAN ; TIELEMAN HENRI JAMES ; WAYNE FERREIRA ; TELEMANN HENRY JAMES

Inventor(s): HENRY JAMES TELEMANN ; WAYNEFERREIRA ; HENRY JAMESTELEMANN

Agent(s): FREI PATENT ATTORNEYS; OPPEDAH PATENT LAW FIRM LLC; OPPEDAH CARL

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

Title: **WATER**, LIGHT AND AIRFLOW CONTROL SYSTEM AND CONFIGURATION FOR A PLANT AIR **PURIFIER**

Abstract: A plant air purifier and associated method for purifying air, comprising: at least one grow container; a filter bed comprising a surface which is horizontal within 20 degrees of a horizontal plane; at least one plant which grows within the filter bed; a reservoir for containing water for watering the at least one plant; a mechanical watering device which waters the filter bed from the top down; a pump for pumping water from the reservoir to and through the mechanical watering device; and an air propulsion mechanism for propelling air through the filter bed.

Classifications:

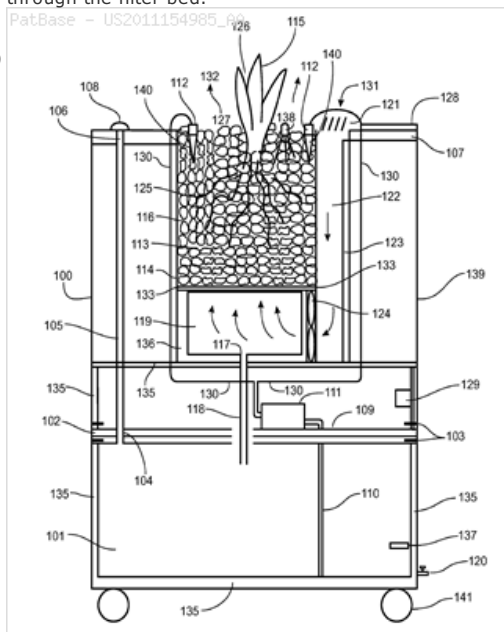
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B01D53/14 B01D53/34 B01D53/84 B08B3/02 F21S4/00 F21V9/00
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H05B37/02 (Advanced/Invention);
B01D53/84 (Advanced/Non-invention);

A01G27/00 A01G9/02 B01D53/84 F24F3/16 (Core/Invention)

CPC: G06Q40/08 G06Q50/22 B01D53/84 A01G27/00 B01D2257/708
F24F3/16 F24F2003/1653 H04B17/0055 H04B17/345 B01D2259/4508
Y02A50/2358

European: A01G27/00 B01D53/84 F24F3/16 L01D257/708
L01D259/45B L01D53/84 R24F3/16B25

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47/20.100S 47/44 47/45 47/45S 47/46 47/46S 47/58.1LS 47/59R
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47/77 47/79 47/79S 705/2 95/1 95/149 95/1P 95/210 95/23 95/24
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96/422 96/424



Family:

Publication number	Publication date	Application number	Application date
CA2736254 AA	20110304	CA20092736254	20090911
CA2736271 AA	20110304	CA20092736271	20090918
CA2828602 AA	20130828	CA20112828602	20110310
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US8894741 BB	20141125	US20090060668	20090918
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WO10033752 A1	20100325	WO2009US57392	20090918
WO10033752 A4	20100527	WO2009US57392	20090918
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WO11115806 A3	20120119	WO2011US27860	20110310
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WO13166002 A1	20131107	WO2013US38843	20130430

Priority:

US20080098314P 20080919	US20090062580 20090911	WO2009US56581 20090911
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Probable Assignee: MITTELMARK MARC A MR

Assignee(s): (std): MARTIN MITTELMARK ; CORNING MOBILEACCESS LTD ; CORNING OPTICAL COMM WIRELESS LTD ; WOLVERTON BILLY C ; REUVEN RAMI ; SABAN OFER ; SHAPIRA ISAAC ; MITTELMARK MARTIN

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Agent(s): BERESKIN AND PARR LLP SENCRL SRL; RICHES MCKENZIE AND HERBERT LLP; STURM CHRISTOPH; JAY R; YABLON JAY R; MONTGOMERY C KEITH

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
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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

Title: **WATER PURIFIERS** HAVING **ULTRAVIOLET** LIGHT EMITTING DIODES

Abstract: A **water purifier** that includes a housing having an inlet and an outlet opposing each other, a filter disposed in the housing and connected to the inlet to reduce the flow rate of **water** introduced into the filter from the inlet, a separator disposed in the housing to store **water** discharged from the filter, a supply conduit disposed in the housing and connected to a central portion of the separator to provide a path through which the **water** in the separator is drained, and an **ultraviolet** light emitting diode (UV LED) module disposed in the housing to irradiate UV rays toward the **water** stored in the separator.

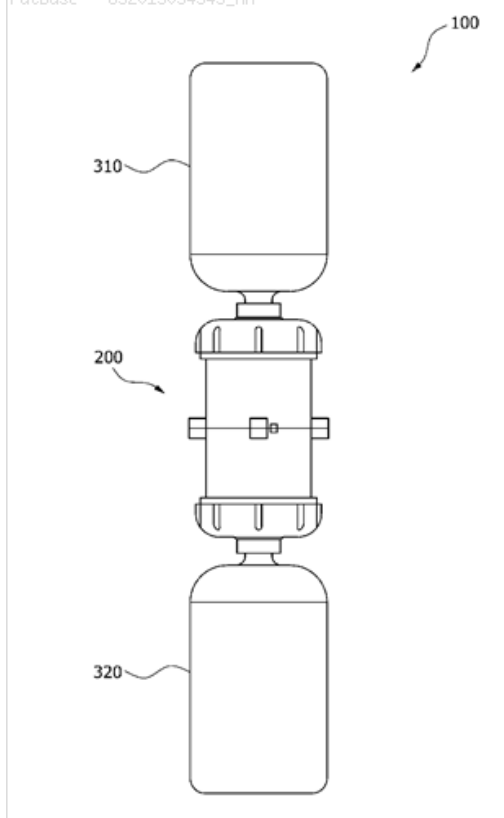
Classifications:

International (IPC 8-9): B01D35/00 C02F1/00 C02F1/32 C02F9/00 C02F9/08 (Advanced/Invention)

CPC: C02F1/325 C02F1/002 C02F2201/32 C02F2201/3228 C02F2201/3227 C02F2201/3225 C02F2201/3222 C02F2307/10 C02F2303/04 C02F1/001 C02F1/003 C02F1/283 C02F2201/007

US: 210/251

PatBase - US2015034545_AH



Family:

Publication number	Publication date	Application number	Application date
CN204111492 U	20150121	CN201420416892U	20140725
KR20150014816 A	20150209	KR20130090513	20130730
US2015034545 AA	20150205	US20140445355	20140729

Priority:

KR20130090513 20130730

Probable Assignee: SEOUL VIOSYS CO LTD

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Assignee(s): SEOUL VIOSYS CO

Inventor(s): (std): CHO SANG HEE ; CHO SUNG LIM ; KIM JONG RACK ; KOO JONG HYUN ; LEE SEONG MIN ; PARK JUNG YEOL ; SON YOUNG HWAN ; YI JAE SEON ; YOO JU WON

Inventor(s): SON YEONG HWAN ; LEE JAE SEON ; JO SANG HEE

Title: SYSTEMS FOR THE ON-DEMAND PRODUCTION OF POWER AS A SOLE SOURCE OR AIDING OTHER POWER SOURCES, IN THE TRANSPORTATION AND HOUSING FIELD.

Abstract: The system of the invention is a very efficient means for the on-demand production of hydrogen for aid, power, and electricity, operated by a control system with a modular, smart, and high-power efficiency arrangement using nanotechnology. A vast number of selections are provided for the user to obtain power production when needed or furthermore with variable delivery. Respecting cleanliness, environmental, and air pollution reduction constraints, the system is devised for use in the areas of housing, transportation, or more generally, any industry producing electricity or heat particularly by hydrocarbon means, or furthermore any environment requiring power for stationary or mobile operation.

Classifications:

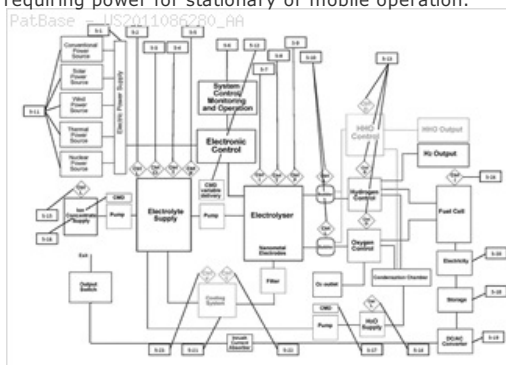
International (IPC 8-9): A47G11/00 B01D29/00 B01D69/00 B01J19/00 B60L11/18 B82B3/00 C01B3/06 C01B3/10 C01B3/22 C23C14/48 C23C14/56 C23C16/04 C23C16/40 C23C16/44 C23C16/442 C25B1/02 C25B1/04 C25B15/00 C25B15/02 C25B15/08 C25B9/00 C25B9/16 H01L31/032 H01L31/042 H01L31/058 H01M16/00 H01M2/14 H01M4/00 H01M4/04 H01M8/00 H01M8/02 H01M8/04 H01M8/06 (Advanced/Invention); B82Y30/00 B82Y99/00 (Advanced/Non-invention); A47G11/00 B01D29/00 B01D69/00 B60L11/18 B82B3/00 C01B3/00 C23C14/48 C23C16/04 C23C16/40 C23C16/44 C23C16/442 C25B1/00 C25B15/00 C25B9/16 H01L31/0264 H01L31/042 H01L31/058 H01M2/14 H01M4/00 H01M4/04 H01M8/00 H01M8/02 H01M8/04 H01M8/06 (Core/Invention)

CPC: C25B9/162 H01M16/006 C25B1/02 A47G11/006 C25B13/00

Y02B90/18 H01M8/065 C01B3/065 H01M8/0662 H01M16/00 H01M2250/30 Y02B10/20 Y02B10/70 Y02E10/60 Y02E60/362 H01M4/385 H01M4/926 B82Y30/00 C01B3/501 C01B2203/041 C01B2203/066 C23C16/45544 C23C16/45546 H01L31/0322 H01L31/0352 H01L31/035281 H01L31/03685 H01L31/03762 H01L31/0392 H01L31/0749 Y02E10/541 C23C16/045 C23C16/405 C23C16/442 H01M4/0428 H01M4/8867 H02S40/44 H02S99/00 Y02P20/134 C25B1/04 B60L11/1881 B60L11/1892 B60L11/1894 B60L2240/525 B60L2240/622 B60L2260/54 C25B15/02 C25B15/08 H01M4/90 H01M8/0656 Y02E60/366 Y02E70/10 Y02T10/7291 Y02T90/16 Y02T90/162 Y02T90/34 C01B6/00 C25B9/16 H01L31/03925 H01L31/03928

European: A47G11/00T4 B60L11/18R B60L11/18R8D B60L11/18R8F B82Y30/00 C01B3/06C C01B3/50B C01B6/00 C23C16/04D C23C16/40H C23C16/442 C23C16/455F2D C23C16/455F2D2 C25B1/02 C25B1/04 C25B13/00 C25B15/02 C25B15/08 C25B9/16 C25B9/16B H01L31/032C H01L31/0392 H01L31/058 H01M16/00F2 H01M4/04B18D H01M4/38B2 H01M4/88G16 H01M4/92S2 H01M8/06B4 H01M8/06C H02N6/00 L60L240/525 L60L240/62B L60L260/54 M01B203/04B2 M01B203/06H T01L31/0352 T01L31/0352C2 T01L31/0368B2 T01L31/0376B T01L31/0749 T01M16/00 T01M250/30 T01M4/90 T01M8/06B6 T01M8/06C Y02B10/10 Y02B10/20 Y02B10/70 Y02E10/50 Y02E10/54B Y02E10/60 Y02E60/12 Y02E60/36 Y02E60/36B Y02E60/36F Y02E60/50 Y02E70/10 Y02T10/72D8 Y02T90/16 Y02T90/16B2 Y02T90/34

US: 204/230.2 204/230.200S 204/242 204/242S 204/267 204/275.1 204/275.100S 422/239 422/239S 429/410 429/410S 429/421 429/421S 429/422 429/422P 429/427 429/427S 429/9 429/9P 977/700 977/700S 977/742 977/742S



Family:

Publication number	Publication date	Application number	Application date
FR2931694 A1	20091204	FR20090001976	20090423
FR2931811 A1	20091204	FR20080006820	20081205
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WO09156610 A2	20091230	WO2009FR00622	20090528
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Priority:

FR20080003019	20080602	FR20080004598	20080814	FR20080006820	20081205
FR20080006821	20081205	FR20090000267	20090122	FR20090000276	20090122
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Inventor(s): MARIE CHRISTINE AZRIA ; ALEX ROUSTAEI ; ALEX HR ROUSTAEI ; ABDELMADJID DJEMAI
Agent(s): ALEX ROUSTAEI; ALEX HR ROUSTAEI; JURISPATENT PARIS; ROUSTAEI ALEX HR
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU
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MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU 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

Title: MODULAR PORTABLE STRUCTURE FOR PURIFYING WASTEWATER USING **SOLAR** ENERGY.

Abstract: The present invention is related to a modular structure, but more particularly to a portable structure of the metallic cart type formed by a metallic structure in two levels, which contains wheels for transporting a wastewater purification system using **solar** energy. This invention presents a modular structure of the type of an independent, mobile, compact, portable and light cart. The purpose of the invention is to provide a mobile system for purifying wastewater, which due to the highly polluting characteristics is subjected to a pre-treatment based on a coagulant and flocculant substance actuated by **solar** energy using **solar panels** and batteries, which is intended for use in urban and remote zones. Another purpose of the invention is to provide a mobile system with a capacity enough to supply a community with an arrangement able to optimize the use of the **solar panels** in order to obtain an affordable system for purifying **water**. An arrangement is used for transporting the **water** in two stages by gravity, where the use of pumping energy is optimized, therefore optimizing the capacity of the **solar panels** and batteries as well. A flexible hose is included which end portion has a metallic mesh for stopping foreign objects, the wastewater being sucked upon actuating the pump and then a dose of coagulant substance being added, a helical agitator being used for agitating the **water** and distributing the same in a uniform manner. The sludge resulting from the coagulation-flocculation is decanted by gravity, the clarified **water** being also discharged by gravity to the granular filters based on sands and activated carbon filter, thus achieving the separation of particles of up to 5 microns. The pre-filtered **water** is discharged by gravity to a tank located in the lower portion of the metallic cart, from there the **water** being transported by the pressure pumps to a polishing filter and then to the reverse osmosis membrane, the **water** being irradiated by **ultraviolet** light for removing bacteria, obtaining purified **water** for human consumption. The invention also includes the arrangement of granular filters for washing the modular structure in situ, for an optimum use of the invention.

Classifications:

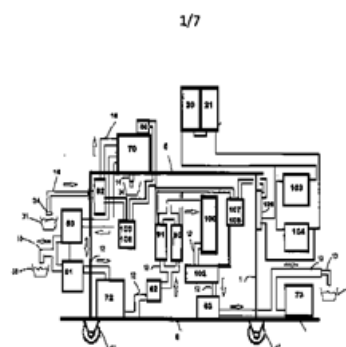
International (IPC 8-9): C02F1/14 C02F1/18 F24J2/42

F24S90/00 (Advanced/Invention);

C02F9/00 (Core/Invention)

CPC: Y02A20/212

PatBase - MX2012012431_A1



Family:

Publication number	Publication date	Application number	Application date
MX2012012431 A1	20140424	MX20120012431	20121012

Priority:

MX20120012431 20121012

Probable Assignee: VILLARREAL JONATHAN ANCONA

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Assignee(s): JONATHAN ANCONA VILLARREAL

Inventor(s): (std): SANTOSCOY SARA REBECA VILLARREAL ; VILLARREAL JONATHAN ANCONA

Inventor(s): JONATHAN ANCONA VILLARREAL ; SARA REBECA VILLARREAL SANTOSCOY

Title: PORTABLE OZONE GENERATOR AND USE THEREOF FOR PURIFYING **WATER**

Abstract: The present invention relates to a portable device for generating ozone in **water**, purifying the **water** and making it drinkable. The device comprises a housing; at least two electrodes, including an anode and a cathode extending from the housing into the **water** and each having semi-rough or rough surfaces in contact with the **water**. The device also comprises a power supply operatively connected to the electrodes for generating between them a difference of potential creating a current and the hydrolysis of the **water** creating ozone that purifies the **water**. The electrodes may have a plate or a rod and tube configuration with a plurality of holes with rough edges. The roughness of the surfaces and of the edges of the holes leads to a coalescence of tiny hydrogen bubbles into larger hydrogen bubbles. The hydrogen may be also removed by absorption in a conductive material and regenerated for reuse.

Classifications:

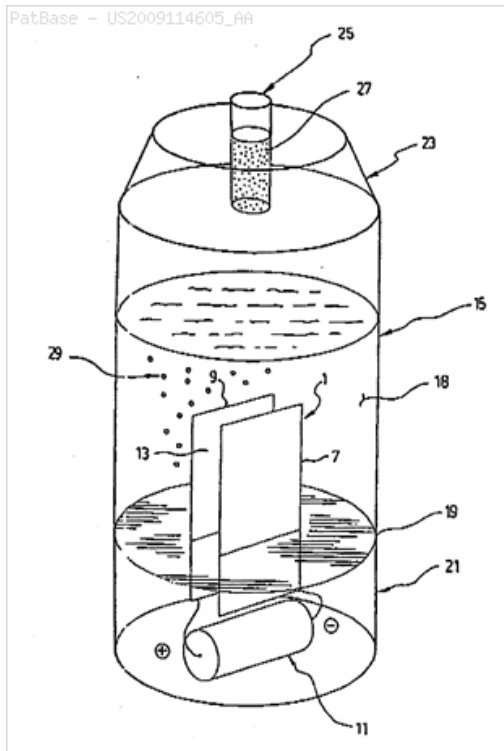
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B01F1/00 B01F11/00 C02F1/28 C02F1/30 C02F1/46 C02F1/461 C02F1/50 C02F1/72 C02F1/78 C02F9/00 C25B1/00 C25B11/00 (Core/Invention)

CPC: Y02W10/37 C25B1/13 C02F1/4672 C02F1/78 C02F9/005 C02F2001/46119 C02F2001/46152 C02F2001/46157 C02F2201/46155 C02F2201/46165 C02F2201/782 C02F2307/06 C25B9/00 Y02E60/366 Y02A20/214

European: C02F9/00B C25B1/13 C25B9/00 M02F1/461B2D M02F1/461B2L M02F1/461B2L2 M02F1/467B M02F1/78 M02F201/461B10B M02F201/461B8 M02F201/782 M02F307/06 Y02E60/36F

US: 204/155 204/156 204/157.15 205/43 205/682 205/742 205/755 205/758 210/192 210/192S 210/243 210/600 210/748 210/748.01 210/748.16 210/748.19 210/748.190P 210/760 422/186 422/186.06 422/22



Family:

Publication number	Publication date	Application number	Application date
AP200804710 A0	20081231	AP20080004710	20070430
BRPI0712093 A2	20120306	BR2007PI12093	20070430
CA2547183 AA	20071117	CA20062547183	20060517
CA2638633 AA	20080923	CA20072638633	20070430
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CN101448744 A	20090603	CN200780017944	20070430
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EP2035337 A1	20090318	EP20070719659	20070430
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IL195350 A0	20090803	IL20070195350	20070430
JP2009537290 T2	20091029	JP20090510241T	20070430
MX2008014549 A1	20081127	MX20080014549	20070430
US2009114605 AA	20090507	US20080272487	20081117
US8440080 BB	20130514	US20080272487	20081117
WO07131324 A1	20071122	WO2007CA00734	20070430

Priority:

CA20062547183 20060517 CA20072638633 20070430 WO2007CA00734 20070430
EP20070719659 20070430

Probable Assignee: OZOMAX INC

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Assignee(s): SALAMA MARIANNE584 ROBITAILLESHEFFORDQ1J2M 1X2CA ; SALAMA AMIR600 RUE ROBITAILLESHEFFORDQ1J2M 1X2CA ; OZOMAX INC600 RUE ROBITAILLESHEFFORDQ1J2M 1X2CA ; O3 WATER TECHNOLOGIES LLC

Inventor(s): (std): SALAMA MARIANNE ; SALAMA AMIR ; MARIANNE SALAMA ; AMIR SALAMA

Inventor(s): SALAMA AMIR SHEFFORD ; SALAMA MARIANNE SHEFFORD ; SALAMA MARIANNE584 ROBITAILLESHEFFORDQ1J2M 1X2CA ; SALAMA AMIR600 RUE ROBITAILLESHEFFORDQ1J2M 1X2CA

Agent(s): ROBIC ; FINCHAM ERIC ; GLUECK KRITZENBERGER PATENTANWALTE PARTGMBB ; MYON GERARD JEAN PIERRE ET AL ; GRAF GLUECK KRITZENBERGER ; BAKER AND HOSTETLER LLP ; ERIC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH 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 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 MG MK ML MN MR MT MW MX MY 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 SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: MODULAR **WATER** PURIFICATION UNIT

Abstract: A portable **water** purification unit in the form of a stiff, tubular housing with a first opening at a first end for entrance of **water** into the tubular housing and a mouthpiece at an opposite end. The tubular housing comprises at least a first module and a connected second tubular module containing mutually different **water** purifying granular resins. The first module or the second module have at least one **water** permeable mesh with a mesh size smaller than the grain size of the resins for preventing mixing of the resins.

Classifications:

International (IPC 8-9): A47G21/18 B01D35/00 B29C70/80

C02F1/00 C02F1/28 C02F1/32 C02F1/68 C02F9/12

C07F1/00 (Advanced/Invention);

A47G21/00 B01D35/00 B29C70/00 C02F1/00 C02F1/28 C02F1/32

C02F1/68 C02F9/08 C07F1/00 (Core/Invention);

A47G C02F (Subclass/Invention)

International (IPC 1-7): C02F1/00

CPC: Y02W10/37 A47G21/188 C02F1/002 C02F1/30 C02F1/32

C02F1/42 C02F1/685 C02F1/725 C02F1/766 C02F2101/103

C02F2303/18 C02F2303/185 C02F2305/08 C02F2305/10 B82Y30/00

European: A47G21/18R B82Y30/00 C02F1/00D2 M02F1/30 M02F1/32 M02F1/42 M02F1/68P M02F1/72K M02F1/76G

M02F101/10B M02F303/18 M02F303/18B M02F305/08 M02F305/10

US: 210/202 210/232 210/232S 264/268 264/268S



Family:

Publication number	Publication date	Application number	Application date
AP200904892 A0	20090630	AP20090004892	20071206
BRPI0720147 A2	20140204	BR2007PI20147	20071206
CN101679075 A	20100324	CN200780050571	20071206
IN03952CN2009 A	20090821	IN2009CN03952	20090706
KR20090111811 A	20091027	KR20097013079	20071206
MX2009005957 A1	20090630	MX20090005957	20071206
US2010032358 AA	20100211	US20070448078	20071206
WO08067816 A2	20080612	WO2007DK00531	20071206
WO08067816 A3	20081204	WO2007DK00531	20071206
ZA200904072 A	20100825	ZA20090004072	20071206

Priority:

US20060873441P 20061207 WO2007DK00531 20071206

Probable Assignee: VESTERGAARD FRANDSEN SA

Assignee(s): (std): FRANDSEN MIKKEL VESTERGAARD ; VESTERGAARD FRANDSEN MIKKEL ; VESTERGAARD SA

Assignee(s): VESTERGAARD FRANDSEN SA

Inventor(s): (std): FRANDSEN MIKKEL VESTERGAARD ; VESTERGAARD FRANDSEN MIKKEL

Inventor(s): FRANDSEN MIKKEL ; MIKKEL VESTERGAARD FRANDSEN

Agent(s): JAMES C WRAY; PATRADE A/S

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI 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 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 PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: LIQUID DISPENSER OR **WATER** PURIFICATION UNIT WITH ANTIMICROBIAL MOUTHPIECE OR HOUSING

Abstract: Liquid dispenser or **water** purification unit with a housing and a mouthpiece configured for contact with the mouth of a person, wherein at least part of the housing or part of the mouthpiece or parts of both have an antimicrobial surface.

Classifications:

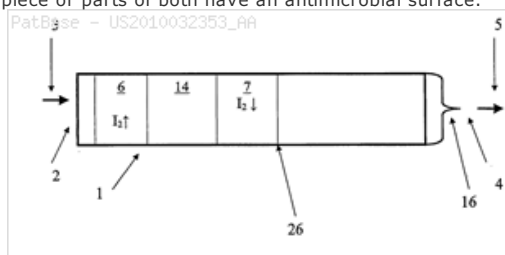
International (IPC 8-9): A47G21/18 B01D35/00 B01D35/14
C02F1/00 C02F1/50 C02F1/58 C02F1/68 (Advanced/Invention);
A47G21/00 A47G21/18 B01D35/00 B01D35/14 C02F1/00 C02F1/50
C02F1/58 C02F1/68 (Core/Invention);
A47G C02F (Subclass/Invention)

International (IPC 1-7): A47G21/18 C02F1/00

CPC: Y02W10/37 C02F1/003 C02F1/288 C02F1/44 C02F1/505
C02F2101/103

European: C02F1/00D4 C02F1/28L C02F1/50B M02F1/44
M02F101/10B

US: 210/202 210/295 210/501 210/506 210/86



Family:

Publication number	Publication date	Application number	Application date
AP200904893 A0	20090630	AP20090004893	20071206
BRPI0720146 A2	20140128	BR2007PI20146	20071206
CN101595061 A	20091202	CN200780050581	20071206
CN101595061 B	20120829	CN200780050581	20071206
IN03916CN2009 A	20090821	IN2009CN03916	20090703
KR20090104004 A	20091005	KR20097013080	20071206
MX2009005951 A1	20090717	MX20090005951	20071206
TH112061 A	20120215	TH20071006275	20071207
US2010032353 AA	20100211	US20070448075	20071206
WO08067817 A2	20080612	WO2007DK00532	20071206
WO08067817 A3	20090205	WO2007DK00532	20071206
ZA200904073 A	20100825	ZA20090004073	20071206

Priority:

US20060873440P 20061207 WO2007DK00532 20071206

Probable Assignee: VESTERGAARD SA

Assignee(s): (std): FRANDSEN MIKKEL VESTERGAARD ; VESTERGAARD CH SA ; VESTERGAARD FRANDSEN SA ;
VESTERGAARD SA ; VESTERGAARD SA CH

Inventor(s): (std): FRANDSEN MIKKEL VESTERGAARD ; VESTERGAARD FRANDSEN MIKKEL

Inventor(s): FRANDSEN MIKKEL ; MIKKEL VESTERGAARD FRANDSEN

Agent(s): JAMES C WRAY; PATRADE A/S

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI 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 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 PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ
TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: GENIUS ADAPTIVE DESIGN

Abstract: Explore interesting inventions inside, conceived by our genius idea generator. Discover history's most effective method in conceiving novel uses for existing electronic technology. License huge domains of intellectual property from the invention directory our system helped develop. The searcher can find one of our interesting inventions in this patent application via our LicenseItToday.com, etc. Call our California Headquarters 1-707-428-5000. View invention ideas, plus 100+ variations adapted for end user target markets. LicenseItToday.com fills out exclusive international license agreements valid up to December 2026. It saves time and money creative LP. over any other documented creative thinking process. Licensees seek outputted patents using our or their pat attorneys. Royalties can start when profits begin. Or you can buy the affordable I.P. rights. Proof is in trying it out. Discover amazing inventions inside today.

Classifications:

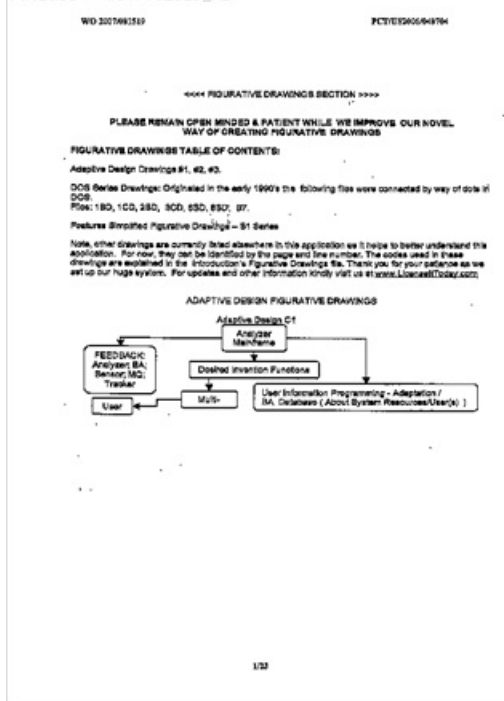
International (IPC 8-9): E06B7/32 G06F17/00 G06F17/30 G06Q G06Q10/00 G06Q30/00 G06Q50/00 (Advanced/Invention)

International (IPC 1-7): G06Q30/00

CPC: G06Q10/10 G06Q30/0601 G06F8/70 G06F9/445 G06F17/30

European: G06Q10/10

PatBase - WO07081519_A2



Family:

Publication number	Publication date	Application number	Application date
AP200804559 A0	20080831	AP20080004559	20061219
AU2006335151 AA	20070719	AU20060335151	20061219
AU2013200386 AA	20130221	AU20130200386	20130125
CA2635954 AA	20080630	CA20062635954	20061219
CO6160255 A2	20100520	CO20080079355	20080731
EP2059899 A2	20090520	EP20060849217	20061219
EP2059899 A4	20120704	EP20060849217	20061219
IL192465 A0	20090922	IL20060192465	20061219
IN06638DN2008 A	20100507	IN2008DN06638	20080730
JP2009522654 T2	20090611	JP20080548620T	20061219
KR20080112193 A	20081224	KR20087018774	20061219
KR20130124572 A	20131114	KR20137024611	20061219
MX2008008625 A1	20090107	MX20080008625	20061219
NZ570109 A	20110826	NZ20060570109	20061219
WO07081519 A2	20070719	WO2006US48704	20061219
WO07081519 C1	20080612	WO2006US48704	20061219

Priority:

US20050755291P 20051230	US20060756607P 20060105	US20060778313P 20060301
US20060783018P 20060315	US20060786906P 20060328	US20060852794P 20061018
AU20060335151 20061219	WO2006US48704 20061219	AU20130200386 20130125

Probable Assignee: INNOVATION INST LLC

Assignee(s): (std): CABINALLA LINDA ; INNOVATION INST LLC ; KAYS STEVEN ; WORLD CHARITY DIVISION LICENSE ; STEVEN KAYS

Assignee(s): WORLD CHARITY DIVISION LICENSELTTODAYCOM LLC ; WORLD CHARITY DIVISION LICENSELTTODAY COM LLC ; INNOVATION INSTITUTE LLC

Inventor(s): (std): CABINALLA LINDA ; KAYS STEVEN

Inventor(s): STEVEN KAYS

Agent(s): SHELSTON IP; KAYS STEVEN; INNOVATION INSTITUTEION LLC; BORDEN LADNER GERVAIS LLP; MAURICIO JARAMILLO CAMPUZANO; BEETZ AND PARTNER

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 GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY 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 SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: ASSEMBLY FOR PURIFYING **WATER**

Abstract: An assembly for purifying **water**, the assembly consisting of a tube for carrying the **water**, the tube for carrying **water** having an upstream and a downstream end; a high intensity ultra-violet light or corona discharge ozone generator for introducing ozone into said tube for carrying **water** at an ozone introduction point within said tube; an ozone contact time tube segment situated between the ozone introduction point and the downstream end of the tube for carrying **water**; a bubble separator column having a **water** input port and a **water** output port, the downstream end of the tube for carrying **water** being positioned so that **water** emitting therefrom may pass through the **water** input port; and a **water** level sensitive electrically actuated valve for alternating collection of **water** within and discharging **water** from the bubble separator column.

Classifications:

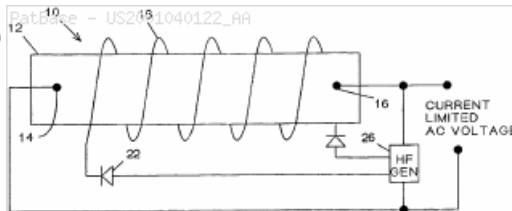
International (IPC 8-9): A01M29/12 A61H33/00 A61H33/14 A61L2/10 A61L2/20 A61L9/00 A61L9/015 A61L9/12 A61L9/20 A62B25/00 A62B7/08 B01F5/00 B01F5/04 B01J19/08 C01B13/10 C01B13/11 C02F1/32 C02F1/46 C02F1/461 C02F1/76 C02F1/78 C02F9/04 C02F9/06 C02F9/12 E04H4/12 E04H4/16 G01N33/00 (Advanced/Invention); B01F3/04 (Advanced/Non-invention); A61H33/00 A61L2/10 A61L2/20 A61L9/015 A61L9/18 A62B25/00 B01F5/04 B01J19/08 C01B13/10 C01B13/11 C02F1/32 C02F1/46 C02F1/461 C02F1/78 C02F9/00 C02F9/08 E04H4/00 (Core/Invention); B01F3/04 (Core/Non-invention)

International (IPC 1-7): A61H33/02 A61H33/14 A61L9/20 B01D1/00 B01J19/08 C02F1/30 C02F1/32 C02F1/78 F17D1/00

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European: A01M29/12 A61H33/00N A61H33/14 A61L2/10 A61L2/20C A61L9/015 A61L9/12F A61L9/20 A62B23/00 B01D53/38 B01F1/00F2B B01F3/08F1 B01F5/04C12 B01F5/04C12S4 B01F5/06B2D2 B01F5/06B2D6 C01B13/10 C01B13/11 C02F1/00R C02F1/32D C02F1/467B2 C02F1/78 E04H4/12A E04H4/12B F25D17/04A F25D27/00 H05B3/00L K61H201/10A K61H201/50S K61H201/50S14 K61H33/00A4D K61H33/00A5 K61H33/00E K61H33/14A1 K61H33/14A2 K61L209/111 K61L209/140 K62B17/00H K62B17/04 L01D251/104 L01D253/102 L01D257/504 L01D257/91 L01D259/45P L01D259/45T2 L01D259/45V L01D259/45W L01D259/804 L01D53/86 L01F3/04C L01F3/04C20B4E M01B201/22 M01B201/82 M02F1/00T M02F1/20 M02F1/32 M02F1/467B2 M02F103/42 M02F201/322E M02F201/328 M02F201/782 M02F209/00T M02F301/02D M02F301/04D M02F303/04 M02F303/18 M02F9/00 R25C400/10 R25D317/0416 R25D317/061 R25D323/121 R25D323/122

US: 128/205.28 137/12 137/829 137/888 137/889 137/891 204/660 205/701 205/742 205/756 210/120 210/123 210/143 210/167 210/167.1 210/167.11 210/167.12 210/169 210/188 210/192 210/198.1 210/202 210/205 210/206 210/218 210/232 210/242.1 210/259 210/260 210/416.1 210/416.2 210/739 210/748.2 210/749 210/754 210/760 210/97 250/436 250/437 250/438 261/108 261/121.1 261/79.2 261/792 261/DIG.42 4/507 4/541.1 4/541.2 422/120 422/121 422/186.03 422/186.07 422/186.070S 422/186.12 422/186.15 422/186.3 422/186.300S 422/24 422/4 436/135 96/168 96/224 96/250 D23/208

**Family:**

Publication number	Publication date	Application number	Application date
US2001040122 AA	20011115	US19990418915	19991015
US2001042708 AA	20011122	US20000752982	20001231
US2002023866 AA	20020228	US20010794601	20010227
US6192911 BA	20010227	US19990393437	19990910
US6342154 BB	20020129	US19990418915	19991015
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US6428756 BA	20020806	US20000717903	20001120
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US6967008 BA	20051122	US20020176299	20020620
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US7186334 BA	20070306	US20030701310	20031104
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US7875173 BA	20110125	US20060406639	20060419
US7883622 BA	20110208	US20070906403	20071002
US8048370 BA	20111101	US20070980019	20071030
US8061387 BA	20111122	US20070981416	20071031
US8075784 BA	20111213	US20110931707	20110208
US8323511 BA	20121204	US20110324958	20111213
US8414839 BA	20130409	US20110931008	20110121
US8491775 BA	20130723	US20070980950	20071031
USD493509 S1	20040727	US20020165635F	20020814

Priority:

US19970066119P	19971121	US19980197036	19981121	US19990393437	19990910
US19990418915	19991015	US19990166254P	19991118	US19990166255P	19991118
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US20070980950	20071031	US20110931008	20110121	US20110931707	20110208
US20110324958	20111213				

Probable Assignee: MINTEQ UK LTD

Assignee(s): (std): BARNES RONALD ; BARNES RONALD L

Assignee(s): MINTEQ UK LTD ; SAPPI NETHERLANDS SERVICES BV

Inventor(s): (std): BARNES RONALD ; BARNES RONALD L

Agent(s): CLODFELTER MARK; MARK; KENYON AND KENYON; STEVEN M

Title: LASER AIR PURIFYING, DECONTAMINATING, AND STERILIZING UNIT

Abstract: An air purification system that uses laser beams to purify air. A laser beam is set to sweep across the interior of a box that is open at two ends to the flow of air. The laser beam is of sufficient strength to destroy or neutralize any dust particles, pollen, pathogens, allergens, or gasses that are present in the flow of air through the box. An air baffle box is utilized at each end of the box with the air flow to prevent the laser beam from escaping from the box. A second preferred embodiment of the present invention is the use of a fan laser beam to purify a flow of air. Said fan laser beam is supplied to a box through which air is flowing in such a manner that all air passing through the box must also pass through said fan laser beam. An air baffle box is utilized at each end of the box to prevent the escape of laser beams.

Classifications:

International (IPC 8-9): A61L2/00 A61L2/08 A61L9/00 A61L9/18
B01D17/06 F24F3/16 G01N21/00 G01N23/00

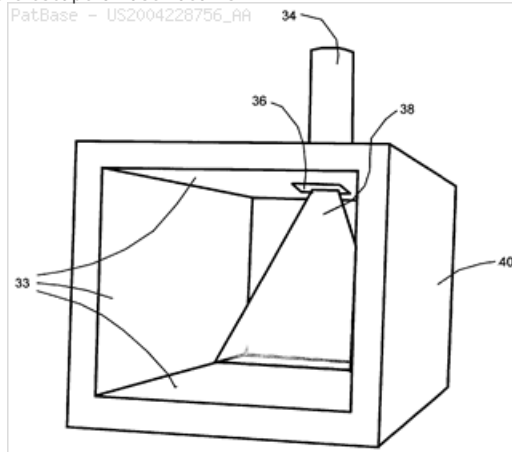
H01M8/00 (Advanced/Invention);
A61B19/02 (Advanced/Non-invention);
A61L2/00 A61L2/08 A61L9/00 A61L9/18 F24F3/16 G01N21/00
G01N23/00 H01M8/00 (Core/Invention);
A61B19/00 (Core/Non-invention)

International (IPC 1-7): A61L2/00 A61L9/00 A62B7/08 B01J19/08
G01N21/00 G01N23/00

CPC: A61L2/08 Y02A50/22 A61L9/18 A62B11/00 F24F3/16
F24F2003/1642 F24F2003/1664

European: A61L2/08 A61L9/18 F24F3/16 K62B11/00 R24F3/16B19
R24F3/16D

US: 204/660 210/748 250/455.11 250/455.110P 422/1 422/121
422/121S 422/124 422/124S 422/186 422/186S 422/1S 422/22
422/22P 422/300 422/300S 422/306 422/306S 422/4 422/4S 422/5
422/5S 55/DIG.3 55/DIG.30 96/16



Family:

Publication number	Publication date	Application number	Application date
AU2004247156 AA	20041223	AU20040247156	20040614
CA2528867 AA	20051208	CA20042528867	20040614
EP1638614 A1	20060329	EP20040755120	20040614
JP2007511253 T2	20070510	JP20060533764T	20040614
US2004228756 AA	20041118	US20030640477	20030811
US2006165563 AA	20060727	US20050302179	20051212
US2012074335 AA	20120329	US20110249035	20110929
US8319195 BB	20121127	US20110249035	20110929
WO04110504 A1	20041223	WO2004US18772	20040614

Priority:

US20020403326P 20020812 US20030478231P 20030612 US20030640477 20030811
WO2004US18772 20040614 US20050302179 20051212 US20110249035 20110929

Probable Assignee: SAFE HAVEN INC

Assignee(s): (std): BERRY JOHN ROBERT ; BERRY LAMBERT DARRYL ; BERRY LEGAL REPRESENTATIVE JOHN ROBERT ;
SAFE HAVEN INC

Assignee(s): KNOBBE MARTENS OLSON AND BEAR LLP

Inventor(s): (std): LAMBERT DARRYL BERRY ; BERRY LEGAL REPRESENTATIVE JOHN ROBERT ; BERRY LAMBERT DARRYL ;
BERRY JOHN ROBERT ; BERRY LAMBERT D ; BERRY JOHN R

Inventor(s): BERRY JOHN ; BERRY LAMBERT

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY
LTD; SMART AND BIGGAR; MATSUNAGA NOBUYUKI; OGOU SOICHI; GRAYBEAL JACKSON HALEY LLP;
KNOBBE MARTENS OLSON AND BEAR LLP

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 KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM
PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG UL US UZ VC VN YU
ZA ZM ZW

Title: MINIATURE OZONE GENERATOR AND USE THEREOF FOR PURIFYING **WATER**

Abstract: The present invention concerns a miniature ozone generator device for purifying **water**. The device comprises a printed circuit board having an ozone producing circuit printed on it which comprises anodes and cathodes alternatively printed and connected in parallel relationship to each other and to a power supply device. The electrodes have rough surfaces, whereby, in use, when the ozone generator is plunged into a vessel containing the **water** to purify, the electrodes thanks to their rough surfaces, leads to a coalescence of hydrogen bubbles produced by the cathodes into larger hydrogen bubbles, and thus to a higher production of ozone by the anodes. Hydrogen can be additionally removed by absorption of it thanks to a conductive material used to make the cathodes, which can be regenerated for reuse. The invention also concerns the use this miniaturized ozone generator for purifying **water** or the like and methods for doing the same.

Classifications:

International (IPC 8-9): B01J19/12 C01B13/10 C02F1/28 C02F1/30 C02F1/46 C02F1/461 C02F1/467 C02F1/78 C02F103/00 C25B1/13 C25B11/00 C25B11/02 C25B9/00 (Advanced/Invention); C02F1/467 C02F1/78 C02F103/00 C25B1/13 (Advanced/Non-invention); B01J19/12 C01B13/10 C02F1/28 C02F1/30 C02F1/46 C02F1/461 C02F1/78 C25B1/00 C25B11/00 (Core/Invention)

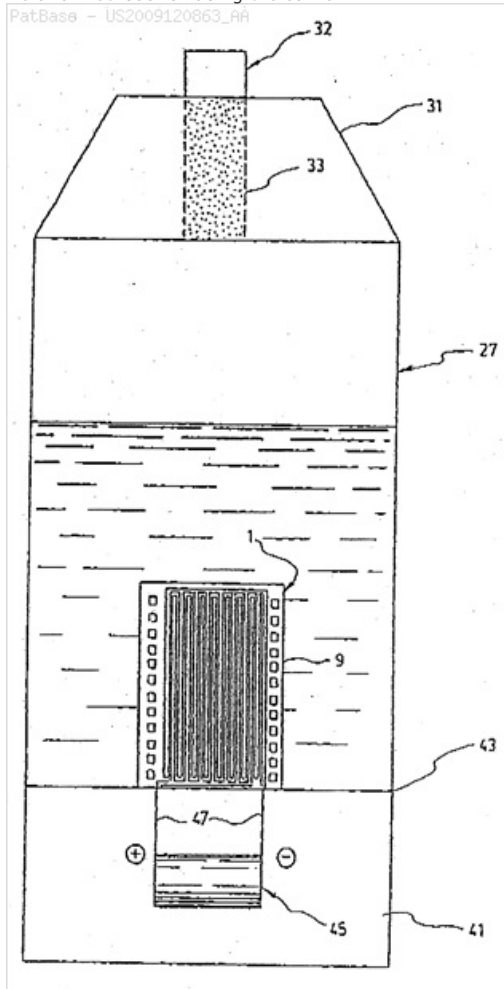
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European: C02F1/461B2 C02F1/467B C25B1/13 C25B9/18

M02F1/32 M02F201/322D M02F201/461B10B

US: 210/192 210/192S 210/748.19 210/748.190P 422/186.12



Family:

Publication number	Publication date	Application number	Application date
AP200804712 A0	20081231	AP20080004712	20081218
AT514656 E	20110715	AT20070719650T	20070427
BRPI0711940 A2	20111213	BR2007PI11940	20070427
CA2547373 AA	20071118	CA20062547373	20060518
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EP2032507 A4	20100707	EP20070719650	20070427
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IN05049KN2008 A	20090327	IN2008KN05049	20081212
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KR20090028708 A	20090319	KR20087030335	20081212
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US2009120863 AA	20090514	US20080273459	20081118
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Priority:

CA20062547373 20060518 CA20072638656 20070427 WO2007CA00724 20070427
 EP20070719650 20070427 US20080273459 20081118 US20110017334 20110131

Probable Assignee: OZOMAX INC

Assignee(s): (std): AMIR SALAMA ; MARIANNE SALAMA ; OZOMAX INC ; SALAMA AMIR ; SALAMA MARIANNE

Assignee(s): SALAMA MARIANNE584 ROBITAILLESHEFFORDQ1J2M 1X2CA ; SALAMA AMIR600

ROBITAILLESHEFFORDQ1J2G 9J6CA ; OZOMAX INC600 RUE ROBITAILLESHEFFORDQ1J2M 1X2CA

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Inventor(s): SALAMA MARIANNE SHEFFORD ; SALAMA MARIANNE584 ROBITAILLESHEFFORDQ1J2M 1X2CA ; SALAMA AMIR SHEFFORD ; SALAMA AMIR600 ROBITAILLESHEFFORDQ1J2G 9J6CA

Agent(s): ROBIC ; FINCHAM ERIC ; MYON GERARD JEAN PIERRE ET AL ; MYON GERARD JEAN PIERRE ; BAKER AND HOSTETLER LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH 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 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 MG MK ML MN MR MT MW MX MY 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 SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: INFLATABLE MULTI-FUNCTION PARABOLIC REFLECTOR APPARATUS AND METHODS OF MANUFACTURE

Abstract: An inflatable, multifunction, mutipurpose, parabolic reflector apparatus having a plurality of manufactured parabolic mirrors made from a pressure-deformable reflective covering of an inflatable ring for focusing electromagnetic energy from radio frequency radiation (RF) through the **ultraviolet** radiation (UV) and **solar** energy for (1) heating and cooking, for (2) electrical power generation, for (3) enhancing the transmission and reception of radio signals, for (4) enhancing vision in low-light environments, and for (5) projection of optical signals or images. The device also has non-electromagnetic uses, such as the collection of **water**. A first main embodiment utilizes two reflective membranes. A second main embodiment utilizes a reflective membrane and a transparent membrane. Portability is enhanced by complete collapsing of the inflatable device.

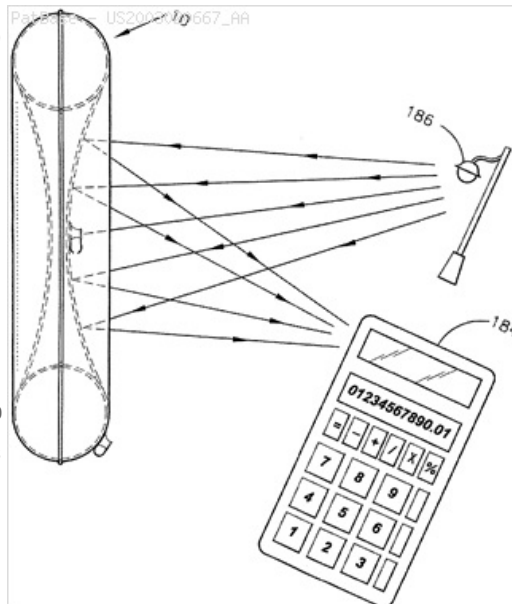
Classifications:

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International (IPC 1-7): C02F1/14 E04H15/20 F21L4/00 F21S11/00 F21V33/00 F21V5/00 F21V7/00 F21V7/18 F24J2/02 F24J2/10 F24J2/36 F24J2/38 G02B5/08 G10K11/28 H01L31/042 H01Q1/12 H01Q1/34 H01Q15/00 H01Q15/14 H01Q15/16 H01Q15/20 H01Q19/10 **CPC:** E04H15/20 E04H15/38 F21S11/00 F21S13/12 F21V7/16 F21V7/18 F24J2/125 F24J2/5271 G02B5/10 G02B26/0825 G10K11/28 H01Q1/34 H01Q15/163 Y02W10/37 F21S11/002 B01D61/06 A01K61/60 C02F1/14 C02F1/441 Y02P60/64 Y02W10/33 H01Q1/081 H02S30/20 H01L31/042 H02J7/35 H02S10/10 H02S10/30 H02S10/40 H02S20/00 Y02E10/50 Y02E10/60 E03B3/02 Y02A20/212 Y02A40/926 Y02A40/826 Y02A20/108 C02F1/325 C02F2201/3228 F24J2/12 F24J2/50 F24J2/52 F24J2/542 Y02B40/18 Y02E10/42 Y02E10/47 F24J2/1052 C02F2303/04 F24J2/02 Y02E10/40

European: A01K61/00F B01D61/06 C02F1/14 C02F1/32D E04H15/20 E04H15/38 F21S11/00 F21S13/12 F24J2/02 F24J2/10C F24J2/12 F24J2/12C F24J2/50 F24J2/52 F24J2/52D F24J2/54C2 G02B26/08M2 G02B5/10 G10K11/28 H01Q1/08B H01Q1/34 H01Q15/16B2 M02F1/44B M02F201/322R M02F303/04 R21V7/16 R21V7/18 Y02B40/18 Y02E10/40 Y02E10/42 Y02E10/47 Y02E10/52

US: 126/681 126/684 126/697 342/10 342/8 343/709 343/832 343/878 343/912 343/915 4/507 405/52 405/53

**Family:**

Publication number	Publication date	Application number	Application date
AP200703969 A0	20070430	AP20070003969	20051020
AU2002344305 AA	20021209	AU20020344305	20020530
AU2004240235 AA	20050120	AU20040240235	20041220
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Priority:

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US20100801287 20100601		

Probable Assignee: JAMES ESSIG

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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 KR KZ LC LI 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 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 PURIFIER** WITH UV AND ADSORBENT

Abstract: The invention has two primary portions, a means to provide ultra-violet radiation and a means for adsorbing organic, inorganic and, optionally, pathogens. The means to provide ultra-violet radiation comprises ultra-violet light sources emitting, at least in part, in the spectrum around 265 nm. Light emitting devices, including light emitting diodes and other solid state light emitting devices are available in this range as well. The adsorbent portion comprises several different adsorbent media, including zeolites, titanium dioxide (TiO₂), alumina, carbon, micro- and/or nano-porous carbon, other minerals with a naturally occurring micro- and/or nano-porous structure, synthetic, including organic, substrates with a micro- and/or nano-porous structure, and surface-modified variations of the preceding adsorbents.

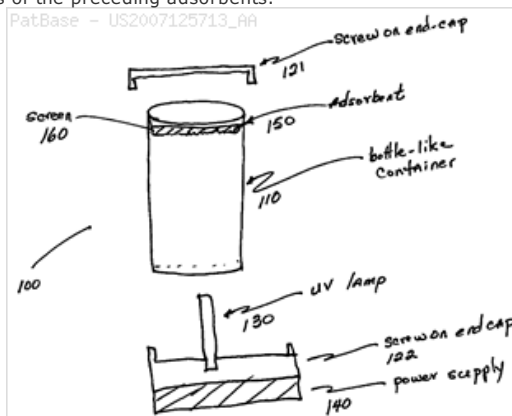
Classifications:

International (IPC 8-9): C02F1/42 (Advanced/Invention);
C02F1/42 (Core/Invention)

CPC: C02F1/32 C02F1/325 B82Y30/00 C02F1/28 C02F9/00
C02F2201/004 C02F2201/3223 C02F2305/08

European: B82Y30/00 C02F1/28 C02F1/32D M02F201/00D4
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US: 210/663 210/748.1 422/186.3



Family:

Publication number	Publication date	Application number	Application date
US2007125713 AA	20070607	US20050297163	20051207
US7713496 BB	20100511	US20050297163	20051207
WO07067651 A2	20070614	WO2006US46604	20061206
WO07067651 A3	20071129	WO2006US46604	20061206

Priority:

US20050297163 20051207

Probable Assignee: CYRSTAL CLEAR TECHNOLOGIES INC

Assignee(s): (std): CRYSTAL CLEAR TECHNOLOGIES INC ; HARRIS JAMES M

Assignee(s): NOELL WAGGONER EUNICE ; WAGGONER DONALD ; CYRSTAL CLEAR TECHNOLOGIES INC

Inventor(s): (std): HARRIS JAMES M

Inventor(s): HARRIS JAMES

Agent(s): FERNANDEZ AND ASSOCIATES LLP

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 GT 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 MY 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 SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: WATER IONIZING SYSTEM

Abstract: This invention is directed toward a water ionizing system which combines a traditional water ionizing machine with a reverse osmosis machine and mineral filter. The invention can be configured several different ways, with the goal of purifying the water through the reverse osmosis component, optionally sanitizing it with UV light, then remineralizing the water with the mineral filter, and finally ionizing and alkalizing the water with the water alkaline ionizing machine. The result is purified water from which all impurities have been removed, but which also contains helpful minerals and is alkalized and ionized. The invention also provides means by which the pH of the water can be raised up to 3 pH points.

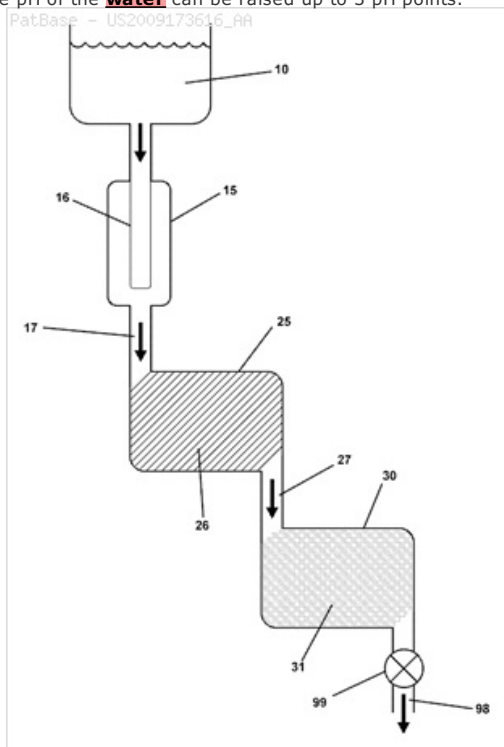
Classifications:

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CPC: Y02W10/37 C02F9/005 C02F1/005 C02F1/04 C02F1/283 C02F1/32 C02F1/441 C02F1/4618 C02F1/66 C02F1/68

European: C02F9/00B M02F1/00M M02F1/04 M02F1/28D M02F1/32 M02F1/44B M02F1/461B6 M02F1/66 M02F1/68

US: 202/176 210/101 210/101S 210/170.08 210/170.080S 210/198.1 210/198.100S 210/202 210/202S 210/259 210/259S 210/652 210/85 210/85S

**Family:**

Publication number	Publication date	Application number	Application date
US2009173616 AA	20090709	US20080970136	20080107
US2009242485 AA	20091001	US20090481855	20090610

Priority:

US20070920217P 20070326 US20080970136 20080107 US20090481855 20090610

Probable Assignee: CABADOS RICK H

Assignee(s): (std): CABADOS RICK H ; CABADOS RICK HENRY ; POOLE GEOFFREY ; SHAFIR LIOR

Inventor(s): (std): SHAFIR LIOR ; POOLE GEOFFREY ; CABADOS RICK HENRY ; CABADOS RICK H

Agent(s): ERIC HANSCOM

Title: MULTIFUNCTION-ADAPTABLE, MULTICOMPONENT DEVICES

Abstract: Devices with modular components have interchangeable parts that create and convert functional items to the same items having different features or to different items. Lamps, urns, planters, pots, containers and pedestals have modular, quick take-apart capabilities and may be reassembled with similar parts and/or additional or different parts. Multifunctional adaptability is provided, and these devices may include diverse electrical and electronic functions, including entertainment, communications, sensing, security, safety, environmental and other functions. Multiple electronic features could include receivers, transmitters, antennas, alarms, motion detectors, timers, device control and scent releasing functions. LAN, WAN, Internet, and other wired and wireless capabilities may be integrated into these devices.

Classifications:

International (IPC 8-9): A01G9/02 B01D46/00 B65D6/00 F21L4/00 F21S2/00 F21S6/00 F21S8/00 F21V15/01 F21V19/02 F21V33/00 G06Q50/00 H04M11/04 H05K5/00 (Advanced/Invention); F21V33/00 H05K5/00 (Core/Invention)

International (IPC 1-7): B01D46/00 F21S2/00

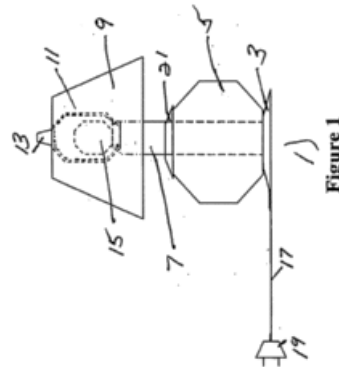
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US: 220/4.01 361/730 362/154 362/190 362/227 362/253 362/362 362/368 362/382 362/418 455/404.1 96/417

PatBase - US2005185398_AA

Patent Application Publication Aug. 25, 2005 Sheet 1 of 59 US 2005/0185398 A1



Family:

Publication number	Publication date	Application number	Application date
US2005185398 AA	20050825	US20050062039	20050218
US2005188853 AA	20050901	US20050101066	20050407
US2006154642 AA	20060713	US20050218948	20050902
US2007230197 AA	20071004	US20070801016	20070508
US2007268687 AA	20071122	US20070801106	20070508
US2009073694 AA	20090319	US20080283221	20080910
WO07027660 A2	20070308	WO2006US33650	20060829
WO07027660 A3	20071115	WO2006US33650	20060829

Priority:

US20040545939P 20040220	US20040560908P 20040410	US20040607961P 20040908
US20050062039 20050218	US20050101066 20050407	US20050218948 20050902
US20070801016 20070508	US20070801106 20070508	US20080283221 20080910

Probable Assignee: GLYNNTECH INC

Assignee(s): (std): GLYNNTECH INC ; INSIGNIO TECHNOLOGIES INC ; SCANNELL ROBERT F ; SCANNELL ROBERT F JR

Assignee(s): SCANNELL ROBERT FJR

Inventor(s): (std): SCANNELL JR ROBERT F ; SCANNELL ROBERT F ; SCANNELL ROBERT F JR

Inventor(s): SCANNELL ROBERT FJR ; SCANNELL ROBERT

Agent(s): KENNETH P GLYNN ESQ; KENNETH P GLYNN; DEIRDRA M MEAGHER

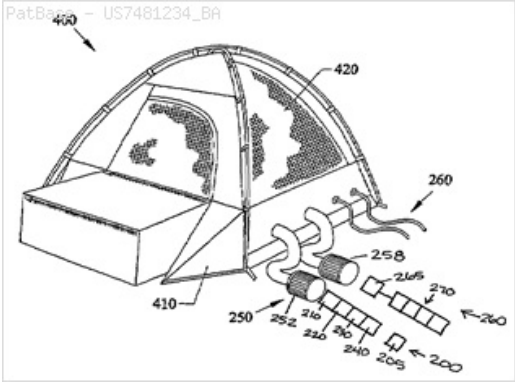
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: BIO-HAZARD ATTACK FAMILY SURVIVAL DOME

Abstract: A family protective shelter which can be erected quickly inside in a home living room, family room, patio, or on an outside lawn area. This dome tent enclosure is designed of clear plastic sheet material which is impervious to gases used to conduct chemical warfare (such as nerve gas, mustard gas, serin, cyanide, and the like) dispersed biohazard aerosol compounds (such as anthrax, smallpox, polio, bacteria, viruses, or fungi), or other atmospheric toxins, such as those from a nuclear fallout. This protective "pop-up", external frame enclosure will be sized to house at least two adults comfortably (6x9x7 high inside, up to about 10x18'x7' high), will incorporate a zip-lock entrance/egress isolation portal chamber, and will communicate to the outside world through combat gas mask filters, plus phone, computer and electrical outlet feed-through, and perhaps a **water** trap coupling. The invention can keep a family of 1 to 10 (with a larger size) relatively isolated and safe from the harmful effects of a chemical biohazard, or nuclear fallout enemy attack for a matter of hours up to several days. The portal chamber can also connect together additional modules.

Classifications:

International (IPC 8-9): E04H15/10 (Advanced/Invention);
E04H15/00 (Core/Invention)
CPC: E04H15/425
European: E04H15/42A
US: 135/156 135/91 135/96



Family:

Publication number	Publication date	Application number	Application date
US7481234 BA	20090127	US20040811595	20040329

Priority:

US20030458923P 20030327 US20030507850P 20030930 US20040811595 20040329

Probable Assignee: BIODOME GROUP INC

Assignee(s): (std): DITTMANN DOUGLAS W ; EPLEY D MICHAEL ; FLINCHBAUGH DAVID E ; GOZDENOVICH MARTIN ; GUSTAFSON MARTIN K

Assignee(s): BIODOME GROUP INC

Inventor(s): (std): EPLEY D MICHAEL ; FLINCHBAUGH DAVID E ; GOZDENOVICH MARTIN ; GUSTAFSON MARTIN K ; DITTMANN DOUGLAS W

Agent(s): STEINBERGER BRIAN S ; LAW OFFICES OF BRIAN S STEINBERGER PA; BRIAN S

Title: COMBINATION DEHYDRATOR AND CONDENSED WATER DISPENSER

Abstract: A portable, atmospheric dehydrator and water condenser for dehydrating fruits and vegetables while producing pure atmospheric condensation from humidity found in the air and purifying the water for dispensing and drinking purposes.

Classifications:

International (IPC 8-9): A23B7/02 C02F1/32 C02F9/10 E03B3/28 F25B39/04 F25D21/14 F26B19/00 F26B21/00 F26B21/08 F26B9/00 F26B9/06 (Advanced/Invention);

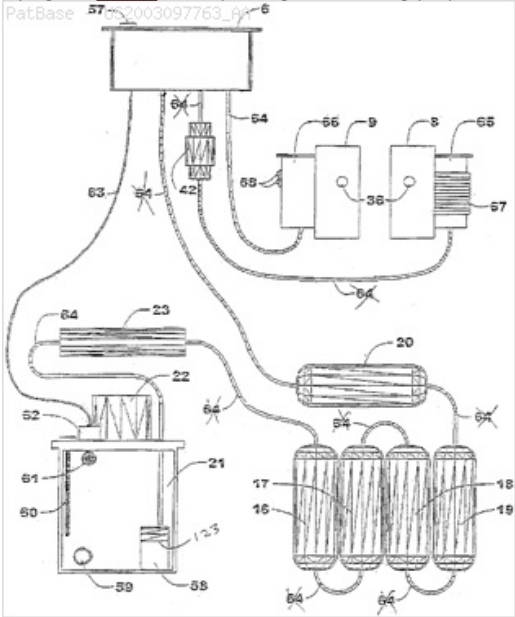
F25C1/10 (Advanced/Non-invention); C02F1/32 C02F9/08 F25B39/04 F25D21/14 F26B21/00 F26B21/06 F26B9/00 (Core/Invention); F26B (Subclass/Invention)

International (IPC 1-7): A23B7/02 E03B3/28 F25D21/14 F26B F26B19/00 F26B21/06 F26B3/00 F26B7/00

CPC: F25C1/10 F26B9/066 Y02W10/37 F26B9/003 F26B21/001 F26B21/086

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US: 165/61 34/202 34/428 34/468 34/469 34/469P 34/471 34/69 34/71 34/73 34/76 34/20 62/150 62/272 62/291 62/93



Family:

Publication number	Publication date	Application number	Application date
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CN1643320 A	20050720	CN20038006900	20030311
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US2003097763 AA	20030529	US20020167966	20020610
US2005160620 AA	20050728	US20030508105	20030311
US2008184720 AA	20080807	US20070739000	20070423
US6931756 BB	20050823	US20020167966	20020610
WO03078909 A1	20030925	WO2003US07632	20030311
ZA200407934 A	20050926	ZA20040007934	20041001
ZA200407934 A	20051130	ZA20040007934	20041001

Priority:

US20010296472P 20010608	US20020363232P 20020312	US20020363233P 20020312
US20020167966 20020610	US20030508105 20030311	WO2003US07632 20030311
US20040508105 20040911	US20070739000 20070423	

Probable Assignee: H2OLIQUIDAIR OF FLORIDA LLC

Assignee(s): (std): MICHAEL MORGAN ; MORGAN MICHAEL ; MORGAN JANET

Assignee(s): MIKE AND JANET MORGAN LLC ; MORGAN J MICHAEL ; H2OLIQUIDAIR INC ; H2OLIQUIDAIR INC (ALSO KNOWN LIQUID AIR INC) AS ; H2OLIQUIDAIR INC ALSO KNOWN LIQUID AIR INC AS ; H2OLIQUIDAIR OF FLORIDA LLC ; H2OLIQUIDAIR OF FLORIDA LLC

Inventor(s): (std): JANET MORGAN ; MICHAEL MORGAN ; MORGAN JANET ; MORGAN MICHAEL

Agent(s): FB RICE; FB RICE PTY LTD; FETHERSTONHAUGH AND CO; KLEINBERG AND LERNER; HUGHES LAW FIRM PLLC

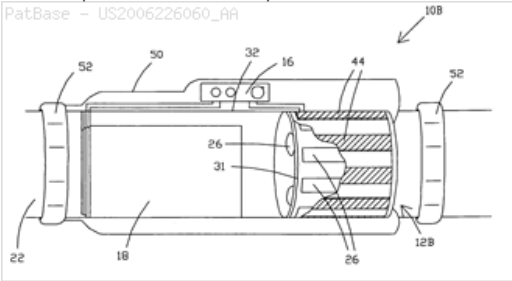
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Title: **WATER** TREATMENT TURBINE APPARATUS AND METHOD

Abstract: The present invention provides an improved **water purifier** and method. In one possible embodiment, the present invention provides a turbine mounted in or to piping of a pool or spa filtering system. The turbine comprises one or more rotatable elements such as fins, paddles, blades, propellers, or the like which are responsive to **water** flow through the piping to produce rotation. The rotatable element may comprise magnets which rotate along with the rotatable element to produce a rotating magnetic field. The rotating magnetic field may be utilized for generating electricity utilizing various types of electric power generators. Electricity so produced may be utilized to power a **water** purification unit such as a chlorine generator, UV generator, or an ozone generator. In one embodiment, the output of the **water** purification unit is directed into turbulence, such as turbulence produced by the rotatable element, so that the purification efficiency is enhanced.

Classifications:

International (IPC 8-9): C02F1/48 (Advanced/Invention);
C02F1/48 (Core/Invention)
CPC: Y02W10/37 C02F1/006 C02F1/48 C02F2201/009 C02F2301/024 C02F2301/026 Y02A20/212
European: C02F1/00R M02F1/48 M02F201/00P M02F301/02D M02F301/02F
US: 204/193 204/193S 204/557 204/557S 210/222 210/243 210/243S



Family:

Publication number	Publication date	Application number	Application date
US2006226060 AA	20061012	US20050148070	20050608

Priority:

US20050670145P 20050411 US20050148070 20050608

Probable Assignee:	MERCER RICHARD D
Assignee(s): (std):	MERCER RICHARD D
Inventor(s): (std):	MERCER RICHARD D
Inventor(s):	MERCER RICHARD
Agent(s):	KENNETH L NASH

Title: **ULTRAVIOLET** TREATMENT FOR AQUEOUS LIQUIDS

Abstract: A process for treating an aqueous liquid. The process includes: passing the liquid by force of gravity through a treatment area, the liquid having an upper surface exposed to ambient pressure; disrupting the flow of the liquid as it passes through the treatment area, and exposing the upper surface of the liquid as the flow is disrupted to UV light. Disrupting the flow includes directing lower portions of the liquid toward the surface of the liquid to bring such portions into contact with UV light. A process for treating an aqueous liquid in which the treatment process is monitored. This process includes passing the liquid through a treatment area to bring the liquid into contact with reflective walls submerged below an upper surface of the liquid, and exposing the upper surface of the liquid to light emitted from a UV light source such that UV light penetrates the liquid to strike the submerged reflective surfaces and to be reflected therefrom to emerge through the upper surface of the liquid. The process also involves determining the intensity of the UV light emitted from the light source, determining the intensity of UV light received by a UV light sensor trained to receive emergent light and determining whether the treatment has a predetermined effectiveness based on the intensity of the UV light emitted from the light source and the intensity of the UV light received by the sensor. Apparatuses for carrying out processes of the invention are also described.

Classifications:

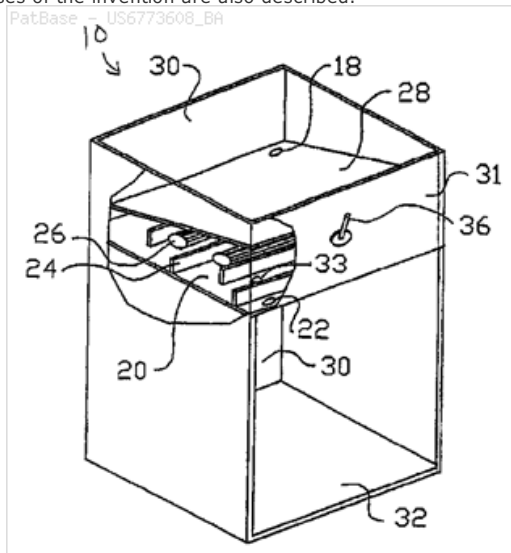
International (IPC 8-9): A61L2/00 A61L2/10 A61L2/18 A61L2/28 A61M1/36 B01J19/12 C02F1/32 C02F9/00 (Advanced/Invention); A61L2/00 A61L2/10 A61L2/18 A61L2/26 A61M1/36 B01J19/12 C02F1/32 C02F9/00 (Core/Invention)

International (IPC 1-7): A61L2/10 A61M1/36 B01D17/06 B01J19/12 C02F1/32

CPC: A61L2/0047 A61L2/18 A61M1/3681 A61M2205/053 B01J2219/00051 C02F1/001 C02F2307/04 C02F9/005 A61L2/0011 A61L2/10 A61L2/28 B01J19/123 B01J2219/00164 B01J2219/0801 B01J2219/0877 C02F1/325 C02F2201/009 C02F2201/3221 C02F2201/3227 C02F2201/3228 C02F2201/326 Y02W10/37 Y02A20/212

European: A61L2/00P2 A61L2/10 A61L2/18 A61L2/28 A61M1/36R B01J19/12D2 C02F1/32D C02F9/00B K61M205/05B4 L01J219/00B2 L01J219/00B6 L01J219/08C L01J219/08M4 M02F1/00D M02F201/00I M02F201/00P M02F201/322A M02F201/322M M02F201/322R M02F201/326 M02F307/04

US: 210/150 210/205 210/748 210/748.11



Family:

Publication number	Publication date	Application number	Application date
AT285995 E	20050115	AT19990920496T	19990513
AU199938063 A1	19991129	AU19990038063	19990513
AU762296 B2	20030619	AU19990038063	19990513
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CA2332043 AA	20001114	CA19992332043	19990513
DE69922950 D1	20050203	DE19996022950	19990513
DE69922950 T2	20060330	DE19996022950T	19990513
EA200001185 A1	20010625	EA20000001185	19990513
EP1082268 A1	20010314	EP19990920496	19990513
EP1082268 B1	20041229	EP19990920496	19990513
US6773608 BA	20040810	US20000710783	20001113
WO9958453 A1	19991118	WO1999CA00435	19990513

Priority:

US19980076902 19980513 CA19982255563 19981214 CA19992332043 19990513
WO1999CA00435 19990513 US20000710783 20001113

Probable Assignee: UV PURE TECHNOLOGIES INC

Assignee(s): (std): HALLETT DOUGLAS J ; HALLETT RONALD C ; RONALD C HALLETT ; UV PURE TECHNOLOGIES INC

Assignee(s): DOUGLAS J HALLETT

Inventor(s): (std): DOUGLAS J HALLETT ; HALLETT DOUGLAS J ; HALLETT RONALD C ; RONALD C HALLETT

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BERESKIN AND PARR

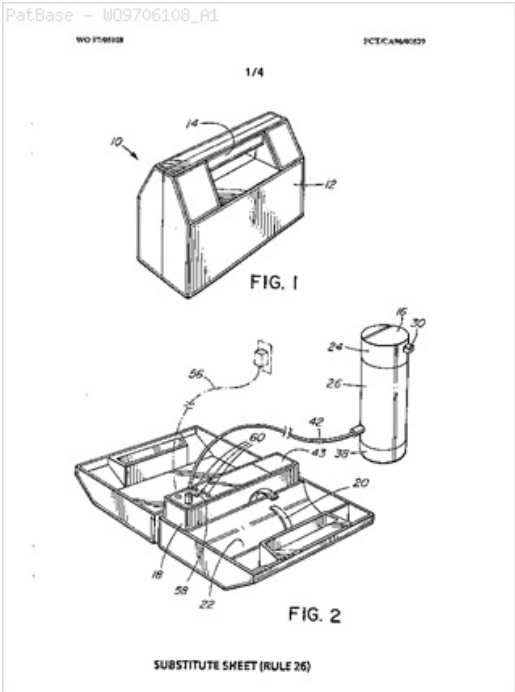
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Title: PORTABLE WATER STERILIZER

Abstract: A portable water purifier comprises a housing including a waterproof container and a power supply. The container includes an upper chamber with a water entry porthole, a water exit porthole and a replaceable filter. A lower chamber includes a UV source and an enclosure for the electrical components. The filter cartridge, when in place, partitions the upper chamber from the lower chamber and separates a pre-sterilization area in the upper chamber from a post-sterilization area.

Classifications:

International (IPC 8-9): C02F1/28 C02F1/32 C02F9/00 (Advanced/Invention); C02F1/28 (Advanced/Non-invention); C02F1/32 C02F9/00 (Core/Invention); C02F1/28 (Core/Non-invention)
International (IPC 1-7): C02F1/28 C02F1/32 C02F9/00
CPC: Y02A20/212 C02F9/005 C02F1/283 C02F1/32 C02F1/325 C02F2201/009 C02F2201/3223
European: C02F1/32D C02F9/00B M02F1/28D M02F1/32 M02F201/00I M02F201/00P M02F201/322E



Family:

Publication number	Publication date	Application number	Application date
AU199666522 A1	19970305	AU19960066522	19960802
CA2201706 AA	19970403	CA19962201706	19960802
WO9706108 A1	19970220	WO1996CA00529	19960802

Priority:

US19950511343 19950804 WO1996CA00529 19960802

Probable Assignee: INT WATER GUARD IND INC

Assignee(s): (std): INT WATER GUARD IND INC

Assignee(s): INTERNATIONAL WATER GUARD INDUSTRIES INC ; PETROWICH WALTER EDMOND

Inventor(s): (std): PETROWICH WALTER EDMOND

Inventor(s): WALTER EDMOND PETROWICH

Agent(s): TURLOCK LANCE A

Designated states: AL AM AT AU AZ BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CZ DE DK EE ES FI FR GA GB GE GN GR HU IE IS IT JP KE KG KP KR KZ LK LR LS LT LU LV MC MD MG ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SN SZ TD TG TJ TM TR TT UA UG UZ VN

Title: MULTIPLE SERVICE **WATER PURIFIER** AND DISPENSER AND PROCESS OF PURIFYING **WATER**

Abstract: The invention relates to a compact, portable multiple service apparatus and method for purifying and disinfecting **water** from potable or non-potable **water** sources and dispensing ice, room temperature **water**, cold **water**, and hot **water** made from the purified/disinfected **water** in this apparatus. This apparatus is equipped to receive input **water** from either a direct connection to a tap **water** system (in home or office), or other source of **water** (such as a well, stream or lake), or by a bottled reservoir containing **water**. The apparatus employs a particulate filter, an **ultraviolet water** germicidal treatment unit, and a carbon-type filter (or the like). A chiller unit is used for cooling the **water** and storing the cooled, purified **water**. A heater unit is used for heating the **water**. A freezer unit is employed for making ice cubes from the purified **water**. In a preferred embodiment of the invention, the air from the freezer unit is diverted to the chiller unit to chill the purified **water**. The apparatus of this invention is also equipped with a sensor to detect a failure of the **ultraviolet water** treatment unit so that in the event of a failure of the **ultraviolet** unit, the apparatus prevents additional introduction of input **water** into the system.

Classifications:

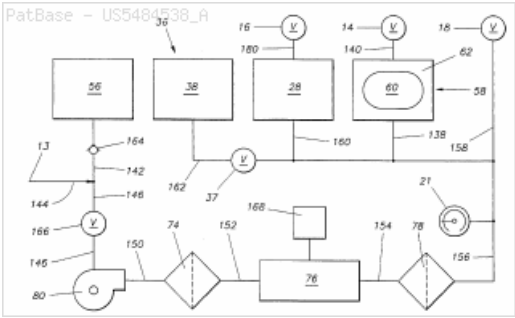
International (ipc 8-9): A47J31/60 B01D61/08 C02F9/00 F25C1/04 F25D23/12 (Advanced/Invention); C02F1/02 C02F1/28 C02F1/32 C02F1/44 (Advanced/Non-invention); A47J31/44 B01D61/02 C02F9/00 F25C1/04 F25D23/12 (Core/Invention); C02F1/02 C02F1/28 C02F1/32 C02F1/44 (Core/Non-invention)

International (ipc 1-7): B01D37/00 B01D63/00

CPC: Y02A20/214 C02F9/005 A47J31/605 B01D61/08 C02F1/02 C02F1/283 C02F1/32 C02F1/441 F25C1/04 F25D23/126

European: A47J31/60B B01D61/08 C02F9/00B F25C1/04 F25D23/12B M02F1/02 M02F1/28D M02F1/32 M02F1/44B

US: 210/134 210/181 210/257.1 210/767 222/192



Family:

Publication number	Publication date	Application number	Application date
US5484538 A	19960116	US19930120979	19930914

Priority:

US19930120979 19930914

Probable Assignee: TEXAVIA INT INC

Assignee(s): (std): TEXAVIA INT INC ; TEXAVIA INTERNATIONAL INC

Assignee(s): TEXAVIA INT

Inventor(s): (std): WOODWARD MARK S