

100) Family number: 60886481 (US2014199193A)

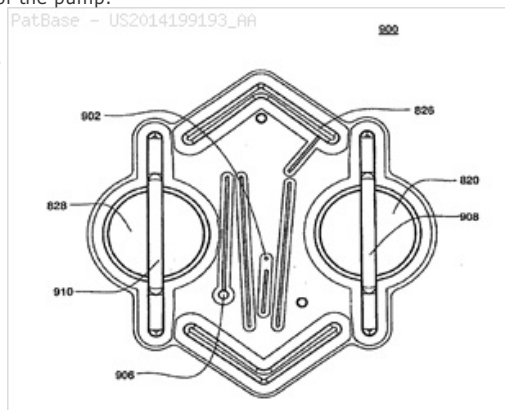
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Title: BLOOD TREATMENT SYSTEMS AND METHODS

Abstract: The present invention generally relates to hemodialysis and similar dialysis systems, including a variety of systems and methods that would make hemodialysis more efficient, easier, and/or more affordable. One aspect of the invention is generally directed to new fluid circuits for fluid flow. According to one aspect, a blood pump is configured to pump blood to a dialyzer of a hemodialysis apparatus, the blood pump comprising a pneumatically actuated or controlled reciprocating diaphragm pump. In an embodiment, the diaphragm of the pump comprises a flexible membrane formed or molded to generally conform to a curved inner wall of a pumping chamber or control chamber of the pump, wherein the diaphragm is pre-formed or molded to have a control side taking a convex shape, so that any elastic tension on the diaphragm is minimized when fully extended into a control chamber of the pump.

Classifications:

International (IPC 8-9): F04B43/02 F04B53/16 (Advanced/Invention)
CPC: A61M1/1006 A61M1/1037 A61M1/106 A61M1/1062 A61M1/1086 A61M1/1087 A61M1/1096 A61M1/16 A61M1/1601 A61M1/1613 A61M1/1619 A61M1/1639 A61M1/341 A61M1/3609 A61M2205/12 A61M2205/15 A61M2205/18 A61M2205/3313 A61M2205/3317 A61M2205/3324 A61M2205/3331 A61M2205/3334 A61M2205/3368 A61M2205/3379 A61M2205/3393 A61M2205/502 A61M2205/70 A61M2230/65 F04B43/0054 F04B43/02 F04B53/16 F04B43/06 F04B43/073 F17D3/00
US: 417/474 417/477.2



Family:

Publication number	Publication date	Application number	Application date
US2014199193 AA	20140717	US20140213578	20140314

Priority:

US20070904024P 20070227	US20070921314P 20070402	US20070871680 20071012
US20110489544P 20110524	US20110498394P 20110617	US20120480444 20120524
US20120624460 20120921	US20130793275P 20130315	US20140213578 20140314

Probable Assignee: DEKA PRODUCTS PARTNERSHIP LTD

Assignee(s): (std): DEKA PRODUCTS LP

Assignee(s): DEKA PRODUCTS PARTNERSHIP LTD

Inventor(s): (std): GRANT KEVIN L ; DEMERS JASON A ; TRACEY BRIAN D ; WILT MICHAEL J ; DALE JAMES D

101) Family number: 60886483 (US2014299544A)

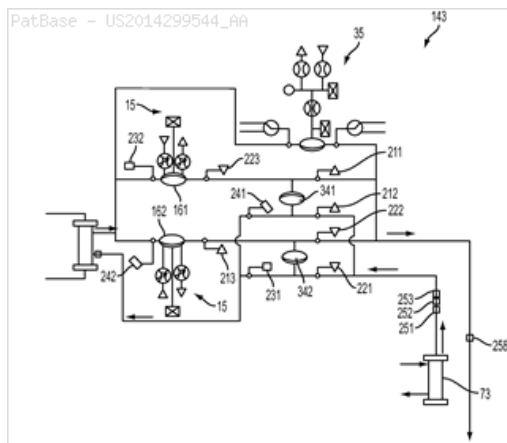
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Title: BLOOD TREATMENT SYSTEMS AND METHODS

Abstract: The present invention generally relates to hemodialysis and similar dialysis systems, including a variety of systems and methods that would make hemodialysis more efficient, easier, and/or more affordable. One aspect of the invention is generally directed to new fluid circuits for fluid flow. According to one aspect, a blood pump is configured to pump blood to a dialyzer of a hemodialysis apparatus, the blood pump comprising a pneumatically actuated or controlled reciprocating diaphragm pump. In an embodiment, the diaphragm of the pump comprises a flexible membrane formed or molded to generally conform to a curved inner wall of a pumping chamber or control chamber of the pump, wherein the diaphragm is pre-formed or molded to have a control side taking a convex shape, so that any elastic tension on the diaphragm is minimized when fully extended into a control chamber of the pump. In another aspect, a system for monitoring the adequacy of blood flow in a blood line of the hemodialysis apparatus allows a controller to suspend dialysate pumping operations if the adequacy of blood flow in the blood line is sub-optimal, and to present information on a display on the quality of blood flow in the blood line.

Classifications:

International (IPC 8-9): A61M1/16 F04B43/02 (Advanced/Invention)
CPC: A61M1/1601 F04B43/02 A61M1/14 A61M2205/12 A61M1/1006 A61M1/1037 A61M1/106 A61M1/1086 A61M2205/3334
US: 210/137 210/646 417/474 417/477.2



Family:

Publication number	Publication date	Application number	Application date
US2014299544 AA	20141009	US20140213702	20140314
US2015196699 A9	20150716	US20140213702	20140314

Priority:

US20130793275P 20130315 US20140213702 20140314

Probable Assignee: DEKA PRODUCTS PARTNERSHIP LTD

Assignee(s): (std): DEKA PRODUCTS LP

Assignee(s): DEKA PRODUCTS PARTNERSHIP LTD

Inventor(s): (std): DEMERS JASON A ; TRACEY BRIAN D ; MERWE DIRK A VAN D ; GRANT KEVIN L ; DALE JAMES D ; FLYNN CATHARINE N ; WILT MICHAEL J

102) Family number: 60886484 (US2014309611A)

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Title: BLOOD TREATMENT SYSTEMS AND METHODS

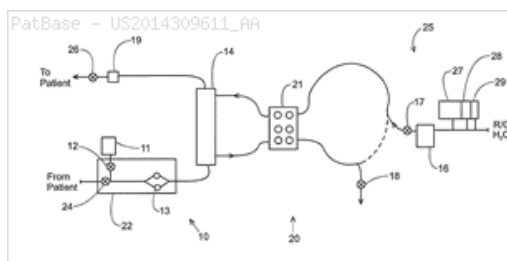
Abstract: Dialysis systems comprising actuators that cooperate to perform dialysis functions and sensors that cooperate to monitor dialysis functions are disclosed. According to one aspect, such a hemodialysis system comprises a user interface model layer, a therapy layer, below the user interface model layer, and a machine layer below the therapy layer. The user interface model layer is configured to manage the state of a graphical user interface and receive inputs from a graphical user interface. The therapy layer is configured to run state machines that generate therapy commands based at least in part on the inputs from the graphical user interface. The machine layer is configured to provide commands for the actuators based on the therapy commands.

Classifications:

International (IPC 8-9): A61M1/16 A61M1/34 A61M1/36 A61M5/172 G06F19/00 (Advanced/Invention)

CPC: A61M1/16 A61M1/1601 A61M1/1613 A61M1/1619 A61M1/1635 A61M1/1696 A61M1/341 A61M1/3427 A61M1/3441 A61M1/3462 A61M1/3465 A61M1/3609 A61M1/3646 A61M1/365 A61M1/3652 A61M2205/12 A61M2205/18 A61M2205/3317 A61M2205/3324 A61M2205/3331 A61M2205/3334 A61M2205/3379 A61M2205/502 G16H20/40 Y10T137/87893 A61M1/1621 A61M1/1694 A61M1/267 A61M1/3644 A61M1/3672 A61M5/172 A61M2205/123 A61M2205/128 A61M2205/15

US: 1/1 210/137 210/321.69 210/321.72 210/90 604/500



Family:

Publication number	Publication date	Application number	Application date
US2014309611 AA	20141016	US20140313809	20140624
US9603985 BB	20170328	US20140313809	20140624

Priority:

US20070903582P 20070227 US20070904024P 20070227 US20080072908 20080227
US20080199452 20080827 US20080092239P 20080827 US20090549285 20090827
US20130855620 20130402 US20140313809 20140624

Probable Assignee: DEKA PRODUCTS PARTNERSHIP LTD

Assignee(s): (std): DEKA PRODUCTS LP ; DEKA RES AND DEV

Assignee(s): DEKA RESEARCH AND DEVELOPMENT ; DEKA PRODUCTS PARTNERSHIP LTD

Inventor(s): (std): DERMERS JASON A ; WILT MICHAEL J ; BALLANTYNE TODD A ; DEMERS JASON A

Agent(s): WOLF GREENFIELD AND SACKS PC

103) Family number: 61604492 (US2017223925A)

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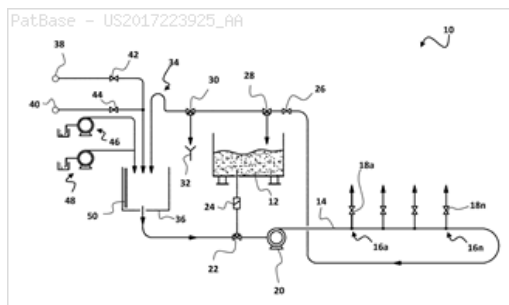
Title: A FEED APPARATUS AND SYSTEM

Abstract: This invention relates to a feed system for delivering liquid feed to animals. The system includes a feed apparatus having at least one liquid feed source, and at least one at least common supply line connected to the liquid feed source. A plurality of animal feeding stalls are connected to the at least one common supply line along its length.

Classifications:

International (IPC 8-9): A01K11/00 A01K5/00

A01K5/02 (Advanced/Invention)
CPC: A01K5/0216 A01K5/0275 A01K11/006
US: 1/1 119/72



Family:

Publication number	Publication date	Application number	Application date
AU2015297053 AA	20170316	AU20150297053	20150731
AU2015297053 BB	20190606	AU20150297053	20150731
EP3174385 A2	20170607	EP20150827438	20150731
NZ628194 A	20160226	NZ20140628194	20140801
US2017223925 AA	20170810	US20150501048	20150731
US10426136 BB	20191001	US20150501048	20150731
WO16018162 A2	20160204	WO2015NZ50100	20150731
WO16018162 A3	20170209	WO2015NZ50100	20150731

Priority:

NZ20140628194 20140801 WO2015NZ50100 20150731

Probable Assignee: CALF SMART LTD

Assignee(s): (std): CALF SMART LTD

Inventor(s): (std): NEAL BEN STANLEY ; BEN STANLEY NEAL

Agent(s): JAMES AND WELLS INTELLECTUAL PROPERTY; MOFFAT JOHN ANDREW; GABLEGOTWALS; TUCK JASON 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

104) Family number: 36059495 (US2007209434A)

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Title: ULTRASONIC OIL/WATER TANK LEVEL MONITOR HAVING WIRELESS TRANSMISSION MEANS

Abstract: An ultrasonic monitor to measure the level of a fluid (e.g., oil or water) within a storage tank. The ultrasonic monitor is surrounded by a gas-tight, explosion-proof casing that is coupled to the top of the tank so that the acoustic axis of a (e.g., 59 KHz) ultrasonic transducer is directed downwardly towards the surface of the fluid. The ultrasonic transducer is encased within a protective (e.g., Delrin) housing so as to resist the hostile (e.g., acidic, gaseous vapors and extreme temperature) conditions within the tank. A main CPU is interconnected between the ultrasonic transducer and an RF transceiver having an antenna from which fluid level data calculated by the main CPU can be transmitted over a wireless communication path. A reference rod having at least one acoustic reflector located at a known distance therealong extends downwardly from the housing of the ultrasonic transducer towards the surface of the fluid. The main CPU is responsive to the time of flight between incident signals generated by the acoustic transducer and return and echo signals reflected off the surface of the fluid and the acoustic reflector for calculating the corresponding distance between the fluid and the transducer. The main CPU is adapted to adjust the time of flight to compensate for errors introduced by the environment (e.g., gas vapors, pressure, etc.) of the tank depending upon the echo signal that is reflected to the acoustic transducer by the reflector of the reference rod.

Classifications:

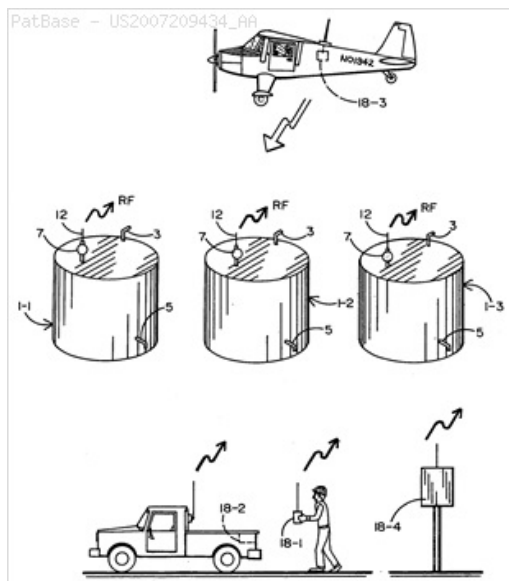
International (IPC 8-9): G01F23/28 (Advanced/Invention);

G01F23/28 (Core/Invention)

CPC: G01F23/2962 G01F25/0061

European: G01F23/296D G01F25/00B

US: 73/290V



Family:

Publication number	Publication date	Application number	Application date
US2007209434 AA	20070913	US20060373779	20060313

Priority:

US20060373779 20060313

Probable Assignee: OLEUMTECH CORP

Assignee(s): (std): OLEUMTECH CORP ; PETERS GEORGE W

Inventor(s): (std): PETERS GEORGE W

Inventor(s): PETERS GEORGE

Agent(s): LAW OFFICES OF MORLAND C FISCHER; MORLAND C

105) Family number: 50438517 (US2013109008A)

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Title: METHOD AND APPARATUS FOR GROWING PHOTOSYNTHETIC ORGANISMS

Abstract: A biological cultivation system for the culture of photosynthetic organisms including at least one cultivation chamber permitting exposure of the culture medium to natural and/or artificial light and including; a light transmissive wall or walls defining a gas space; and a culture medium containment area below the gas space; one or more fluid inlets positioned within the culture medium containment area; and one or more gas outlets in communication with the gas space; a control unit operatively connected to a gas flow control device, the gas flow control device controlling the flow of gas in through the fluid inlets and out through the fluid outlets to control the conditions within the cultivation chamber.

Classifications:

International (IPC 8-9): C12M1/04 C12M1/36 C12M1/42

C12P1/00 (Advanced/Invention)

CPC: C12M21/02 C12M33/00 C12M47/02 C12N1/02 C12N1/066

C12N1/12 C12M1/36

European: C12M21/02 C12M33/00 C12M47/02 C12N1/02

C12N1/06C C12N1/12

US: 435/286.6 435/3

PatBase - US2013109008_AA

Patent Application Publication May 2, 2013 Sheet 1 of 14 US 2013/0109008 A1

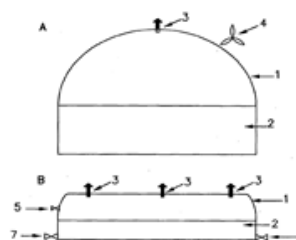


FIGURE 1

Family:

Publication number	Publication date	Application number	Application date
AU2011274247 AA	20120105	AU20110274247	20110701
AU2011274247 AA	20130124	AU20110274247	20110701
BR112013001218 A2	20160920	BR20131101218	20110701
CA2803939 AA	20121227	CA20112803939	20110701
CN103025860 A	20130403	CN201180033177	20110701
EP2588590 A1	20130508	EP20110799988	20110701
US2013109008 AA	20130502	US20110807037	20110701
WO12000056 A1	20120105	WO2011AU00828	20110701
WO12000056 A8	20120209	WO2011AU00828	20110701
WO12000057 A1	20120105	WO2011AU00829	20110701

Priority:

AU20100902933 20100701 AU20110900589 20110221 AU20110274247 20110701

WO2011AU00829 20110701

Probable Assignee: MBD ENERGY LTD

Assignee(s): (std): BEARD BRUCE ; DE NYS ROCKY ; DRUSKO WAYNE ; HEIMANN KIRSTEN ; KNEEBONE HOWARD ; MANGOTT ARNOLD ; MBD ENERGY LTD ; SIRMANS LARRY ; POCHAT POCHATOUX LAURENT ; STAMMBACH MARC RENE

Assignee(s): MBD ENERGY LIMITED

Inventor(s): (std): BEARD BRUCE ; SIRMANS LARRY ; DRUSKO WAYNE ; POCHAT POCHATOUX LAURENT ; DE NYS ROCKY ; HEIMANN KIRSTEN ; STAMMBACH MARC RENE ; MANGOTT ARNOLD ; KNEEBONE HOWARD ; RENE STAMMBACH MAR ; ARNOLD MANGOTT ; HOWARD KNEEBONE ; KIRTEN HEIMANN ; ROCKY DE NYS

Inventor(s): HEIMANN KIRTEN ; STAMMBACH MAR RENE

Agent(s): FREEHILLS PATENT ATTORNEYS; FPA PATENT ATTORNEYS PTY LTD; HICKS INTELLECTUAL PROPERTY LAW; REGIMBEAU; FREEHILLS PATENT AND TRADE MARK ATTORNEYS

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 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 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: RECEIVER WITH PROGRAMMABLE GAIN FOR UWB RADAR

Abstract: A receiver for an ultra wideband (UWB) pulse radar system includes a programmable gain network (PGN) block coupled to process a received UWB radar signal. The programmable PGN block includes programmable attenuator having an output coupled to an input node of a UWB low noise amplifier (LNA), and a fast acting power limiter is between the input node and a system ground and/or a power supply node for the radar system. A sampling unit is coupled between an output of the LNA and a processor. The processor implements an attenuation algorithm, wherein the processor is coupled to the programmable attenuator, and provides attenuation control signals to dynamically control a gain or attenuation of the programmable attenuator, such as based on a distance from a transmitting antenna to the product material.

Classifications:**International (IPC 8-9):** G01F23/284 G01S13/02 G01S13/76

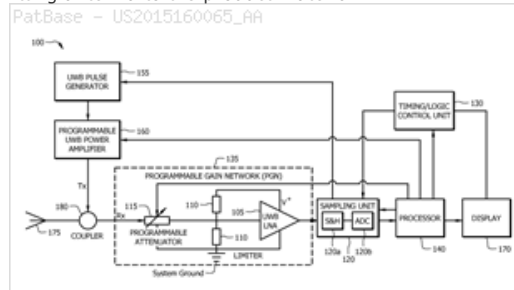
G01S13/88 G01S7/03 G01S7/292 G01S7/34

G01S7/529 (Advanced/Invention);

G01S7/52 (Advanced/Non-invention)

CPC: G01F23/284 G01S7/038 G01S7/2921 G01S7/34 G01S13/0209

G01S7/52033 G01S7/529 G01S13/88

US: 1/1 342/21**Family:**

Publication number	Publication date	Application number	Application date
■ CN105793726 A	20160720	CN201480066128	20141110
■ CN105793726 B	20191217	CN201480066128	20141110
■ EP3077842 A1	20161012	EP20140867249	20141110
■ EP3077842 A4	20170726	EP20140867249	20141110
■ US2015160065 AA	20150611	US20130099071	20131206
■ US9329072 BB	20160503	US20130099071	20131206
■ WO15084547 A1	20150611	WO2014US64776	20141110

Priority:

US20130099071 20131206

WO2014US64776 20141110

Probable Assignee: HONEYWELL INT INC**Assignee(s):** (std): HONEYWELL INT INC**Inventor(s):** (std): SAI BIN**Agent(s):** CROOKS ELIZABETH CAROLINE; JETTER AND ASSOCIATES PA; BEATUS CARRIE

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: ADAPTIVE RADAR SYSTEM WITH MULTIPLE WAVEFORMS

Abstract: A pulsed radar method of sensing or measuring a product material in a storage tank. A plurality of waveform types are automatically selected based on a power limitation. The pulsed radar signal is transmitted by a programmable transmitter to the product material, wherein the pulsed radar signal is reflected or scattered by the product material to provide a radar signal during an interval of time including a target signal. An initial gain or attenuation is automatically set for a programmable receiver. The programmable receiver receives the radar signal including the target signal during the interval of time, and the target signal is signal processed using a lower attenuation setting as compared to the initial gain or attenuation to determine at least one parameter associated with the product material. The transmitted and received radar signal can also be adjusted according to the measured SNR.

Classifications:**International (IPC 8-9):** G01F23/28 G01F23/284 G01S13/02

G01S13/10 G01S13/26 G01S13/28 G01S13/88 G01S7/285 G01S7/34

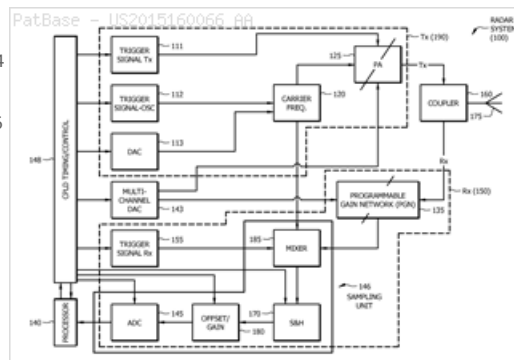
G01S7/40 (Advanced/Invention);

G01S13/02 G01S13/88 G01S7/40 G01S7/52 (Advanced/Non-invention)

CPC: G01S7/285 G01S7/4008 G01S13/0209 G01S13/106 G01S13/26

G01S13/282 G01S13/88 G01S2007/4013 G01F23/284 G01S7/34

G01S7/52033

US: 1/1 342/124 342/21**Family:**

Publication number	Publication date	Application number	Application date
■ CN105793677 A	20160720	CN201480066133	20141110
■ CN105793677 B	20191122	CN201480066133	20141110
■ EP3077778 A1	20161012	EP20140867526	20141110
■ EP3077778 A4	20170913	EP20140867526	20141110
■ US2015160066 AA	20150611	US20130099105	20131206
■ US9329073 BB	20160503	US20130099105	20131206

Priority:

US20130099105 20131206 WO2014US64808 20141110

Probable Assignee: HONEYWELL INT INC**Assignee(s):** (std): HONEYWELL INT INC**Inventor(s):** (std): SAI BIN**Agent(s):** CROOKS ELIZABETH CAROLINE; JETTER AND ASSOCIATES PA; BEATUS CARRIE**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**108) Family number: 44166522** (US2011086280A)

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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 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

B60L58/30 B60L58/33 B60L58/34

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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

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Y02E10/50 Y02E10/54B Y02E10/60 Y02E60/12 Y02E60/36

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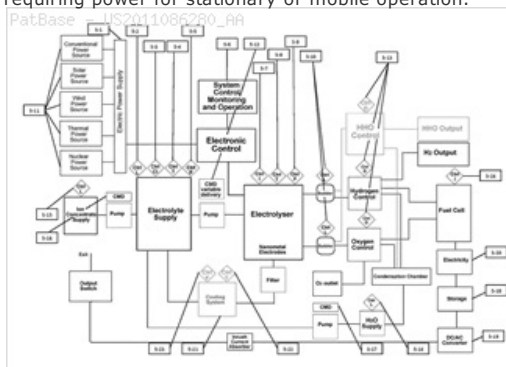
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429/9P 977/700 977/700S 977/742 977/742S

**Family:**

Publication number	Publication date	Application number	Application date
FR2931694 A1	20091204	FR20090001976	20090423
FR2931811 A1	20091204	FR20080006820	20081205
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FR2932014 A1	20091204	FR20080006821	20081205
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US2011168549 AA	20110714	US20090056660	20090812
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WO10018325 A8	20100422	WO2009FR00999	20090812

WO10063907 A2	20100610	WO2009FR01379	20091204
WO10063907 A3	20100729	WO2009FR01379	20091204
WO10063908 A2	20100610	WO2009FR01380	20091204
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WO10081942 A1	20100722	WO2009FR01382	20091204
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Priority:

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FR20090000921	20090302	FR20090001503	20090327	FR20090001976	20090423
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WO2009FR01382	20091204	FR20100000828	20100301		

Probable Assignee: ALEX ROUSTAEI

Assignee(s): (std): AZRIA MARIE CHRISTINE ; DJEMAI ABDELMADJID ; ROUSTAEI ALEX HR ; ROUSTAEI ALEX

Assignee(s): MARIE CHRISTINE AZRIA ; ALEX HR ROUSTAEI ; ALEX ROUSTAEI

Inventor(s): (std): ROUSTAEI ALEX ; AZRIA MARIE CHRISTINE ; DJEMAI ABDELMADJID ; ROUSTAEI ALEX HR

Inventor(s): ABDELMADJID DJEMAI ; ALEX HR ROUSTAEI ; MARIE CHRISTINE AZRIA ; ALEX ROUSTAEI

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 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 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

109) Family number: 31957524 (US2001002451A)

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Title: METHOD AND APPARATUS FOR CONTROLLING A VEHICULAR COMPONENT

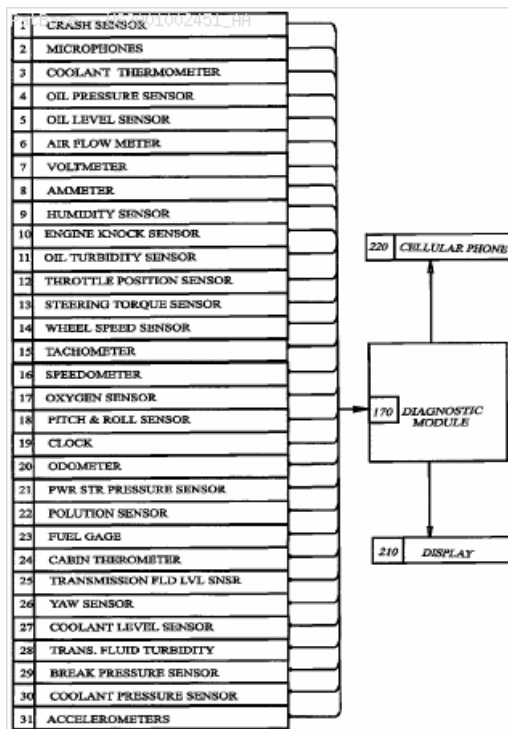
Abstract: Control system and method for controlling a part of the vehicle in which sensor systems are mounted at different locations on the vehicle, each sensor system providing a measurement related to a state of the sensor system or a measurement related to a state of the mounting location. A processor coupled to the sensor systems diagnoses the state of the vehicle based on the measurements of the sensor system, e.g., by the application of a pattern recognition technique. The processor controls the part based at least in part on the diagnosed state of the vehicle. At least one of the sensor systems may be a high dynamic range accelerometer or a sensor selected from a group consisting of a single axis acceleration sensor, a double axis acceleration sensor, a triaxial acceleration sensor and a gyroscope, and may optionally include an RFID response unit.

Classifications:

International (ipc 8-9): B60C11/24 B60C19/00 B60C23/04 B60C23/06 B60J10/00 B60J7/057 B60K28/16 B60N2/00 B60N2/015 B60N2/02 B60N2/06 B60N2/28 B60N2/48 B60N2/66 B60Q1/14 B60R16/02 B60R16/037 B60R21/01 B60R22/20 E05F15/00 G01F23/00 G01F23/20 G01F23/296 G01G19/414 G01N11/00 G01N29/02 G01N33/00 G01S15/04 G01S15/42 G01S15/87 G01S15/88 G01S17/02 G01S17/88 G01S7/41 G01S7/48 G01S7/539 G06F3/023 G06K9/00 G07C5/00 G07C5/08 G08B13/14 G08B29/18 G08C19/00 H01Q1/32 (Advanced/Invention); B60R1/12 B60R21/013 B60R21/0132 B60R21/0134 B60R21/015 B60R21/16 B60R21/20 B60R21/203 B60R21/215 B60R21/231 B60R21/26 B60R21/276 B60R22/28 B60R22/46 B60R22/48 G01S13/04 G01S15/06 G01S17/89 (Advanced/Non-invention); B60C11/24 B60C19/00 B60C23/02 B60C23/06 B60J10/00 B60J7/04 B60N2/00 B60N2/005 B60N2/02 B60N2/06 B60N2/26 B60N2/48 B60N2/64 B60Q1/14 B60R16/02 B60R16/037 B60R21/01 B60R22/18 E05F15/00 G01F23/00 G01F23/296 G01G19/40 G01N11/00 G01N29/02 G01N33/00 G01S15/00 G01S17/00 G01S7/02 G01S7/48 G01S7/539 G06F3/023 G06K9/00 G07C5/00 G08B13/14 G08B29/00 G08C19/00 H01Q1/32 (Core/Invention); B60R1/12 B60R21/013 B60R21/0132 B60R21/0134 B60R21/015 B60R21/16 B60R21/20 B60R21/23 B60R21/26 B60R22/00 B60R22/28 B60R22/46 G01S13/00 (Core/Non-invention)

International (ipc 1-7): G06F11/00 G06F7/00 G08C19/00 **CPC:** G01N35/00871 G01N2291/02836 G01N2291/02845 G01N2291/02881 G06K9/00536 B60C11/246 B60G2400/62 B60G2401/12 B60R2021/01088 G07B15/063 G07C5/085 G08G1/205 G01S17/04 B60C11/24 B60C19/00 B60N2/002 B60N2/015 B60N2/0232 B60N2/0244 B60N2/0248 B60N2/0252 B60N2/0276 B60N2/067 B60N2/28 B60N2/2806 B60N2/2863 B60N2/66 B60N2/829 B60N2/853 B60N2/888 B60N2002/0268 B60N2002/0272 B60Q1/143 B60Q2300/41 B60Q2300/42 B60R16/037 B60R21/013 B60R21/0132 B60R21/0134 B60R21/0136 B60R21/01516 B60R21/0152 B60R21/0153 B60R21/01532 B60R21/01534 B60R21/01536 B60R21/01538 B60R21/01542 B60R21/01544 B60R21/01546 B60R21/01548 B60R21/01552 B60R21/01554 B60R21/203 B60R21/21656 B60R21/276 B60R22/20 B60R22/201 B60R25/25 B60R25/252 B60R25/255 B60R25/257 B60R2001/1223 B60R2001/1253 B60R2021/0027 B60R2021/01315 B60R2021/23153 B60R2021/26094 B60R2021/2765 B60R2022/208 B60R2022/288 B60R2022/4685 B60R2022/4825 E05F15/43 E05F15/431 E05F2015/433 E05Y2900/516 E05Y2900/542 E05Y2900/55 G01S7/417 G01S7/4802 G01S7/539 G01S13/04 G01S15/04 G01S15/06 G01S15/42 G01S15/87 G01S15/88 G01S17/88 G01S17/89 G06F3/0219 G06F3/0233 G06F3/0237 G06F3/0238 G06K9/00362 G06K9/00624 G06K9/00832 G07C5/008 G07C5/0808 G08B13/1427 G08B21/0286 G08B29/181 G10K2210/1282 G10K2210/3219 H01Q1/3291 B60R21/015 G08B13/248

European: B60C11/24 B60C19/00 B60J10/00 B60J7/057B B60N2/00C B60N2/015 B60N2/02B4 B60N2/02B6 B60N2/02B6B B60N2/02B6C B60N2/02B6W B60N2/06S B60N2/28 B60N2/28B2 B60N2/28P4 B60N2/48C2C B60N2/48C3C B60N2/48W B60N2/66 B60Q1/14C1B B60R16/02B8 B60R16/037 B60R21/013 B60R21/0136 B60R21/015 B60R22/20 B60R25/25 B60R25/25B B60R25/25D B60R25/25F E05F15/00B6B E05F15/00B6B2 G01F23/00G1A G01F23/20 G01F23/296D G01G19/414A G01N35/00G3L G01S15/04 G01S15/42 G01S15/87 G01S15/88 G01S17/02D G01S17/88 G01S7/41D G01S7/48A G01S7/539 G06F3/02A5 G06F3/023M G06F3/023M8 G06F3/023P G06F3/02A5 G06K9/00H G06K9/00V G06K9/00V7 G01S7/500T G07C5/084D G08B13/14D G08B13/24B5T G08B13/24B7D G08B21/02A26 G08B29/18A G08G1/20B H01Q1/32L10 L60G400/62 L60G401/12 L60N2/02B6S L60Q300/410 L60Q300/420 L60R1/12C L60R1/12G L60R21/00C L60R21/0132 L60R21/0134 L60R21/013R L60R21/015G2 L60R21/015G6 L60R21/015G6B L60R21/015G6D L60R21/015G6F L60R21/015G6H L60R21/015G7 L60R21/015G8 L60R21/015G8C L60R21/015G8E L60R21/015G9 L60R21/015J L60R21/01H3Y



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US: 180/197 280/735 280/735S 307/9.1 340/12.25 340/13.31 340/13.310P 340/5.61 340/5.64 340/5.7 340/5.71 340/5.710S 340/7.29 340/825.22 340/825.37 340/825.69 340/825.72 455/42 455/420 455/420S 455/556.2 701/1 701/29 701/29.7 701/30.6 701/31.4 701/32.1 701/32.3 701/32.4 701/33.1 701/34 701/34.4 701/36 701/36P 701/39 701/468 701/500 73/53.01 73/53.010S 73/61.41 73/61.410P 73/625 73/625S

Family:

Publication number	Publication date	Application number	Application date
US2001002451 AA	20010531	US20010753186	20010102
US2003176959 AA	20030918	US20020330938	20021227
US2005046584 AA	20050303	US20040940881	20040913
US2006180371 AA	20060817	US20060278188	20060331
US2008047329 AA	20080228	US20070924197	20071025
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US6823244 BB	20041123	US20020330938	20021227
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Probable Assignee: AMERICAN VEHICULAR SCIENCES LLC

Assignee(s): (std): AUTOMOTIVE TECH INT ; BREED DAVID S ; INTELLIGENT TECH INT INC

Assignee(s): AMERICAN VEHICULAR SCIENCES LLC ; INTELLIGENT TECHNOLOGIES INTERNATIONAL INC ; INTELLIGENT TECHNOLOGIES INT INC ; INTELLIGENT TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC ; AUTOMOTIVE TECHNOLOGIES INTIONAL

Inventor(s): (std): BREED DAVID S ; DUVALL WILBUR E ; JOHNSON WENDELL C

Inventor(s): BREED DAVID ; DUVALL WILBUR ; JOHNSON WENDELL ; DAVID S BREED

Agent(s): BRIAN ROFFE ESQ; BRIAN

110) Family number: 56601540 (US2014151242A)

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Title: LEAK DETECTION FORMULA, ANALYZER AND METHODS OF USE

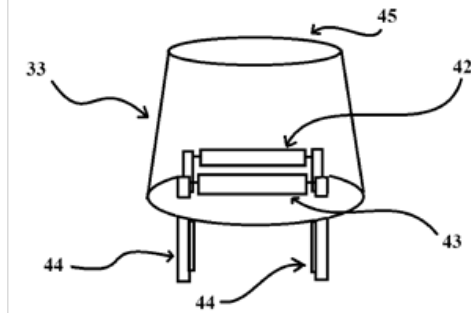
Abstract: Detecting a leak from a site in a sealed system with a source of pressurized gas which is capable of passing through the site, a composition of matter which adheres to the surfaces of the system and which is capable of showing the presence of the gas escaping from the site. The method includes: injecting gas into the system to a pressure in excess of the surrounding pressure, and covering the external surface with the composition to identify the location of the site by the interaction of the escaping gas with the composition. The composition is foam that includes a surfactant which forms a least one bubble in the presence of escaping gas and an indicator which changes color in the presence of the escaping gas. The leak is an opening down to at least the size of a hole 0.001? in diameter. A gas detector may also be used.

Classifications:

International (IPC 8-9): G01M3/00 G01M3/04 G01M3/12 G01M3/20 G01M3/22 G01M3/26 G01N27/26 G01N31/10 G01N31/22 G06F11/00 G06F19/00 G07C5/00 G1M3/00 (Advanced/Invention)

CPC: G01N27/419 G01N27/70 G01M3/38 G07C5/00 G01M3/226 G01M3/042

US: 1/1 204/431 205/775 205/780.5 205/785.5 205/787.5 701/32.8 701/33.2 702/51 73/49.3

**Family:**

Publication number	Publication date	Application number	Application date
CA2894247 AA	20150605	CA20142894247	20140131
CA2894247 C	20170627	CA20142894247	20140131
CA2967035 AA	20140807	CA20142967035	20140131
DE602014039559 D1	20190124	DE201460039559T	20140131
EP2951571 A1	20151209	EP20140745701	20140131
EP2951571 A4	20161116	EP20140745701	20140131
EP2951571 B1	20190109	EP20140745701	20140131
US2014151242 AA	20140605	US20130025500	20130912
US2014251831 AA	20140911	US20130789319	20130307
US2014257721 AA	20140911	US20130789179	20130307
US9390565 BB	20160712	US20130789179	20130307
US9846104 BA	20171219	US20160178997	20160610
US10222291 BB	20190305	US20130789319	20130307
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Priority:

US20100348078P	20100525	US20110115516	20110525	US20130759782P	20130201
US20130789179	20130307	US20130789319	20130307	US20130025500	20130912
CA20142894247	20140131	EP20140745701	20140131	WO2014US14038	20140131
US20160178997	20160610	CA20172894247	20170523		

Probable Assignee: AUTOMOTIVE TEST SOLUTIONS INC**Assignee(s):** (std): LEY KENNETH D ; PEDERSON NEAL R ; THOMPSON BERNIE C ; THOMA STEVEN G ; AUTOMOTIVE TEST SOLUTIONS INC**Assignee(s):** AUTOMOTIVE TEST SOLUTIONS INC ALBUQUERQUE ; AUTOMOTIVE TEST SOLUTIONS**Inventor(s):** (std): PEDERSON NEAL R ; THOMPSON BERNIE C ; LEY KENNETH D ; THOMA STEVEN G**Inventor(s):** THOMPSON BERNIE C TIJERAS ; PEDERSON NEAL R LOS ALAMOS ; LEY KENNETH D SANDIA PARK ; THOMA STEVEN G ALBUQUERQUE**Agent(s):** BLAKE CASSELS AND GRAYDON LLP; UEXKUELL AND STOLBERG PARTNERSCHAFT VON PATENT U RECHTSANWALTEN MBB; UEXKUELL AND STOLBERG; DEWITT M; MORGAN DEWITT M**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**111) Family number: 31957541 (US2001015548A)**

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Title: AUTOMOTIVE ELECTRONIC SAFETY NETWORK

Abstract: An occupant protection device deployment system and safety network including at least one module housing, at least one deployable component such as an airbag associated with each housing, a deployment initiator associated with each housing for initiating deployment of the component, a determination unit for determining that deployment of one or more of the components is desired, and respective electronic control units arranged within, adjacent or proximate each housing and coupled to a respective deployment initiator and the determination unit via an electrical bus for causing the deployment initiator to deploy the component in the respective housing upon receiving a signal from the determination unit. The control units include a power supply for enabling operation of the initiator.

Classifications:

International (IPC 8-9): B60N2/02 B60N2/28 B60R21/16 B60R21/20 B60R21/213 B60R21/231 B60R21/233 B60R21/235 B60R21/30 G06F7/00 G07C5/00 G07C5/08 (Advanced/Invention); B60R21/00 (Advanced/Non-invention)

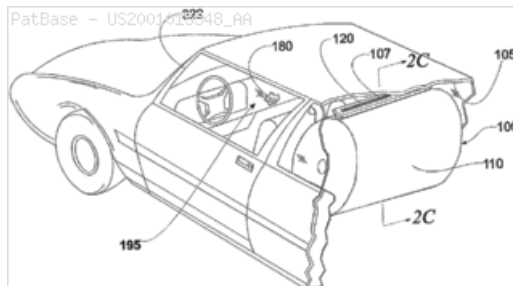
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European: B60C23/04C B60N2/02B4 B60N2/02B6W B60N2/28P4

B60R21/16B2B B60R21/16B2V B60R21/16B4 B60R21/20 B60R21/20K B60R21/214 B60R21/232 B60R21/233 B60R21/235 B60R21/30 G07C5/00T G07C5/08D G07C5/08R2 L60R21/00A1 L60R21/214 L60R21/231C L60R21/231M L60R21/231N L60R21/231P L60R21/235M3 L60R21/235M5 L60R21/235P6 L60R21/235S4 L60R21/235S6

US: 180/274 180/282 280/735 280/735P 701/29 701/29.1 701/32.9 701/33 701/33.6 701/33.7 701/34 701/34.3 701/34.4 701/45 702/183 706/15

**Family:**

Publication number	Publication date	Application number	Application date
US2001015548 AA	20010823	US20010767020	20010123
US2002027346 AA	20020307	US20010925062	20010808
US6533316 BB	20030318	US20010767020	20010123
US6733036 BB	20040511	US20010925062	20010808
US7103460 BA	20060905	US20050220139	20050906

Priority:

US19940239977	19940509	US19950476077	19950607	US19950550217	19951030
US19950571247	19951212	US19960028046P	19961009	US19970819609	19970317
US19970947661	19971009	US19980073403	19980506	US19980137918	19980820
US19990356314	19990716	US19990170973P	19991215	US20000645709	20000824
US20000231378P	20000908	US20010753186	20010102	US20010765558	20010119
US20010767020	20010123	US20010269415P	20010216	US20010291511P	20010516
US20010304013P	20010709	US20010925062	20010808	US20020043557	20020111
US20020079065	20020219	US20020174709	20020619	US20020188673	20020703
US20020415862P	20021003	US20020423613P	20021104	US20020330938	20021227
US20030461648P	20030408	US20030613453	20030703	US20030638743	20030811
US20030642028	20030815	US20030658750	20030909	US20030701361	20031104
US20040592838P	20040730	US20050039129	20050119	US20050082739	20050317
US20050120065	20050502	US20050220139	20050906		

Probable Assignee: AMERICAN VEHICULAR SCIENCES LLC

Assignee(s): (std): AUTOMOTIVE TECH INT ; SANDERS WILLIAM THOMAS

Assignee(s): BREED DAVID S ; DUVALL WILBUR E ; JOHNSON WENDELL C ; DUVALL WIBUR E ; AUTOMOTIVE TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC ; AUTOMOTIVE TECHNOLOGIES INTIONAL ; AMERICAN VEHICULAR SCIENCES LLC

Inventor(s): (std): BREED DAVID S ; DU VALL WILBUR E ; JOHNSON WENDELL C ; DUVALL WIBUR E ; DUVALL WILBUR E ; SANDERS WILLIAM THOMAS

Agent(s): BRIAN

112) Family number: 77311547 (US2020021897A)

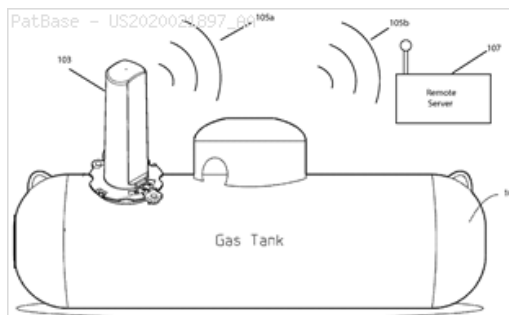
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Title: TELEMETRIC DEVICES AND METHODS OF DYNAMIC TRANSMISSION FREQUENCY

Abstract: A telemetric electronic device configured with a processor, having an interface between the telemetric electronic device and an asset, the asset configured to contain a contained product, a transmitter coupled to the processor; a sensor coupled to the processor, the sensor configured to provide sample data to indicate contents level or usage of the contained product, wherein the processor is configured to: specify a particular stored change threshold value, receive and store sample data received from the sensor, wherein the stored sample data comprises previous sample data, a representation of which was transmitted in a previous transmission, and recent sample data collected since the previous transmission, determine a corresponding change value wherein the corresponding change value is the difference between at least one instance of the recent sample data and at least one instance of the previous sample data, compare the corresponding change value with the specified particular stored change threshold value to determine whether the corresponding change value is equal to or exceeds the specified particular stored change threshold value; and trigger the transmitter to transmit a representation of the at least one instance of the recent sample data when the corresponding change value is equal to or exceeds the specified particular stored change threshold value.

Classifications:

International (IPC 8-9): F17C13/02 G01F23/00 G06Q90/00 G08B21/18 H04Q9/00 H04Q9/02 (Advanced/Invention)
CPC: H04Q9/00 H04Q9/02 H04Q2209/84 H04Q2209/883 H04Q2209/40



Family:

Publication number	Publication date	Application number	Application date
AU2019222930 AA	20200130	AU20190222930	20190830
EP3595327 A1	20200115	EP20190186020	20190712
US2020021897 AA	20200116	US20190508520	20190711

Priority:

AU20180205134 20180712 AU20190222930 20190830

Probable Assignee: SILICON CONTROLS PTY LTD

Assignee(s): (std): SILICON CONTROLS PTY LTD

Inventor(s): (std): HADDY JOHN RICHARD ; RIVALS JULIEN DOMINIQUE

Agent(s): SPRUSON AND FERGUSON; MARLES ALAN DAVID

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

113) Family number: 68552551 (US2019050830A)

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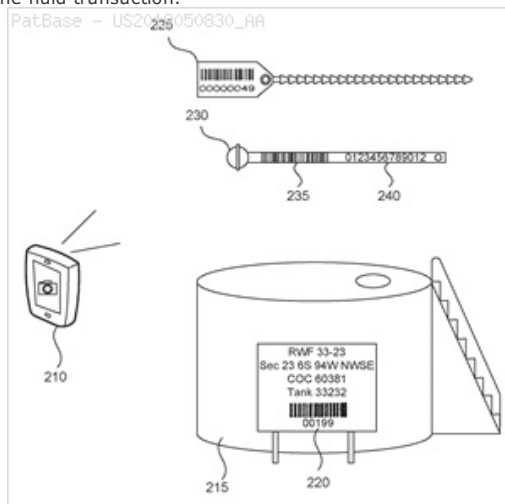
Title: ELECTRONIC RUN TICKET

Abstract: Technology for managing electronic run ticket data is provided. In an example method, a fluid tank is

electronically identified using a client device. Fields of the electronic run ticket are populated based on the electronically identifying the fluid tank and further based on variable data. The electronic run ticket is transmitted as an encrypted electronic run ticket to a management server, the encrypted electronic run ticket being encrypted using a unique key. The electronic run ticket is marked as complete and at least a portion of the electronic run ticket is locked from editing to create an original document which exists as a fixed and accurate record of the fluid transaction.

Classifications:

International (IPC 8-9): G06F17/24 G06G1/14 G06Q20/04
G06Q50/06 (Advanced/Invention);
B65B1/30 G06Q30/00 (Advanced/Non-invention)
CPC: G06Q50/06 G06F40/174 G06Q20/0453
US: 1/1 705/39



Family:

Publication number	Publication date	Application number	Application date
US2019050830 AA	20190214	US20180158218	20181011
US9892473 BA	20180213	US20150667585	20150324
US10108936 BA	20181023	US20150667589	20150324

Priority:

US20130106159 20131213 US20150643125 20150310 US20150667585 20150324
US20150667589 20150324 US20180158218 20181011

Probable Assignee:

GARNER ROBERT P

Assignee(s): (std):

GARNER ROBERT P

Inventor(s): (std):

GARNER ROBERT P

Agent(s):

THORPE NORTH AND WESTERN

114) Family number: 32061559 (US2005145745A)

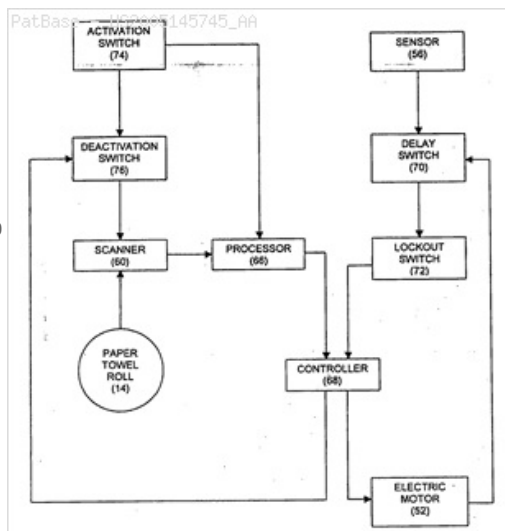
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Title: APPARATUS AND METHOD FOR DISPENSING SHEET MATERIAL

Abstract: A sheet material dispenser includes a controller for automatically controlling the lengths of sheet materials dispensed from a continuous roll by identifying the type of sheet materials on the roll and dispensing suitable lengths of the identified sheet material. The dispenser desirably has a support for rotatably supporting a roll of sheet material carrying identification relating to the type of sheet material on the roll, and an identifier positioned in or adjacent the dispenser for identifying the type of sheet material on the roll. A processor receives data from the identifier, processes the data and generates an output command, and a controller controls the lengths of sheet material dispensed from the roll in response to the output command. In this way, more absorbent products may be dispensed in shorter lengths and less absorbent products may be dispensed in longer lengths.

Classifications:

International (IPC 8-9): A47K10/00 A47K10/24 A47K10/32
A47K10/34 A47K10/36 A47K10/38 A47K10/42 A47K13/24
A47K17/00 A47K5/06 A47K5/12 B65H16/00 B65H20/00 B65H43/00
E03C1/00 E03D11/00 E03D5/10 E03D9/00 G01F23/00 G01F23/24
G01F23/292 G01F23/296 G05B23/02 G05B9/02 G06F17/00
G06Q50/00 G07F11/68 (Advanced/Invention);
A47K10/32 (Advanced/Non-invention);
A47K10/24 A47K5/00 B65H16/00 B65H20/00 B65H43/00 G01F23/00
G05B23/02 G05B9/00 G06F17/00 G07F11/00 (Core/Invention)
International (IPC 1-7): A47K10/36 A47K5/06 B65H26/00 G06F17/00
CPC: Y10S4/03 E03D5/10 G01F23/0069 G01F23/242 G01F23/243
G01F23/2928 G01F23/2965 G08C2201/42 A47K2010/3668
A47K10/3662 A47K2010/3693 A47K10/3845 A47K5/06 A47K5/1209
A47K5/1217 A47K10/38 A47K10/3827 A47K10/424 A47K2010/3226
A47K10/36 A47K10/3612 A47K10/3625 G16H40/20 Y02A90/22
G07F11/68 E03D11/00
European: A47K10/36 A47K10/38 A47K10/38B2 A47K10/42C
A47K13/24 A47K17/00 A47K5/06 A47K5/12C2B A47K5/12E
E03D5/10 G01F23/00G1 G01F23/24A2 G01F23/24A4 G01F23/292B4
G01F23/296F G07F11/68 K47K10/32E S08C201/420
US: 221/2 221/5 242/563 242/563.2 242/564.4 4/302 4/313 4/427
4/623 4/668 4/668P 4/DIG.3 700/231 700/232 700/233 700/236
700/236P 700/240 700/241 700/243 700/244 700/244P



Family:

Publication number	Publication date	Application number	Application date
CA2552123 AA	20060628	CA20042552123	20041222
CA2552123 C	20120320	CA20042552123	20041222
CA2586423 AA	20070503	CA20052586423	20051128
CA2586423 C	20140520	CA20052586423	20051128
CA2587251 AA	20070510	CA20052587251	20051128

CA2587251 C	20140211	CA20052587251	20051128
CA2844890 AA	20060622	CA20052844890	20051128
CA2844890 C	20160322	CA20052844890	20051128
CN101080189 A	20071128	CN200580043315	20051128
CN101080189 B	20100512	CN200580043315	20051128
CN101080190 A	20071128	CN200580043344	20051128
CN101828885 A	20100915	CN201010117238	20051128
CN101828885 B	20120201	CN201010117238	20051128
CN1901829 A	20070124	CN200480039323	20041222
CN1901829 B	20101201	CN200480039323	20041222
DE602004038243 D1	20120809	DE200460038243T	20041222
DE602005047181 D1	20150910	DE200560047181T	20051128
EP1708602 A1	20061011	EP20040815385	20041222
EP1708602 B1	20120613	EP20040815385	20041222
EP1824369 A2	20070829	EP20050852336	20051128
EP1824369 B1	20180815	EP20050852336	20051128
EP1833342 A1	20070919	EP20050852335	20051128
EP1833342 B1	20150805	EP20050852335	20051128
JP2007525258 T2	20070906	JP20060547363T	20041222
JP2008524702 T2	20080710	JP20070546704T	20051128
JP2008532566 T2	20080821	JP20070546705T	20051128
JP5039997 B2	20121003	JP20060547363T	20041222
JP5430854 B2	20140305	JP20070546705T	20051128
MX2007007197 A1	20070815	MX20070007197	20051128
MX2007007198 A1	20070815	MX20070007198	20051128
US2005145745 AA	20050707	US20030750238	20031231
US2005171634 AA	20050804	US20040015346	20041217
US2006005312 AA	20060112	US20050170734	20050629
US2006173576 AA	20060803	US20050170773	20050629
US2010170979 AA	20100708	US20100699190	20100203
US2010268381 AA	20101021	US20100827720	20100630
US7726599 BB	20100601	US20030750238	20031231
US7774096 BB	20100810	US20050170773	20050629
US7783380 BB	20100824	US20040015346	20041217
US7814582 BB	20101019	US20050170734	20050629
US8160742 BB	20120417	US20100827720	20100630
WO05065509 A1	20050721	WO2004US43302	20041222
WO06065514 A1	20060622	WO2005US43006	20051128
WO06065515 A2	20060622	WO2005US43007	20051128
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Priority:

US20030750238	20031231	US20040015346	20041217	EP20040815385	20041222
WO2004US43302	20041222	US20050170773	20050629	US20050170734	20050629
CA20052586423	20051128	EP20050852335	20051128	WO2005US43007	20051128
WO2005US43006	20051128	US20100699190	20100203	US20100827720	20100630
CA20142586423	20140324				

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): KIMBERLY CLARK CO ; MITCHELL JOSEPH ; LEWIS RICHARD PAUL ; OYLER JOHN ROBERT ; PADAK RONALD R ; LYE JASON ; NG DIXON ; YORK CHERYL LYNN ; PADAK RONALD RAYMOND ; TRAMONTINA PAUL FRANCES ; WINDER JAMES ALEXANDER ; REDDY KIRAN K ; YORK CHERYL L ; WELCHEL DEBRA N ; DETAMORE JAMES J ; DETAMORE JAMES JOSEPH ; GOERG CHARLES H ; BOGA RAMESHBABU ; BUTLER AMANDA

Assignee(s): CLARK GERALD L ; KIMBERLY CLARK WORLDWIDE INC ; PHELPS STEPHEN L ; TRAMONTINA PAUL FRANCIS ; KIMBERLY CLARK CORP ; JOHNSON DARRELL R ; KAPILOFF DAVID W ; KIMBERLY CLARK WORLDWIDE INC NEENAH

Inventor(s): (std): FRANCES TRAMONTINA PAUL ; JOSEPH DETAMORE JAMES ; ALEXANDER WINDER JAMES ; ROBERT OYLER JOHN ; PAUL LEWIS RICHARD ; YORK CHERYL LYNN ; MITCHELL JOSEPH ; LEWIS RICHARD PAUL ; PADAK RONALD RAYMOND ; TRAMONTINA PAUL FRANCES ; OYLER JOHN ROBERT ; WINDER JAMES ALEXANDER ; DETAMORE JAMES JOSEPH ; YORK CHERYL L ; PADAK RONALD R ; DETAMORE JAMES J ; OYLER JOHN R ; WINDER JAMES A ; REDDY KIRAN K ; BUTLER AMANDA ; WELCHEL DEBRA N ; BOGA RAMESHBABU ; LYE JASON ; GOERG CHARLES H ; NG DIXON ; TRAMONTINA PAUL FRANCIS ; CLARK GERALD L ; JOHNSON DARRELL R ; PHELPS STEPHEN L ; KAPILOFF DAVID W ; TRAMONTINA PAUL F ; LEWIS RICHARD P ; RAYMOND PADAK RONALD ; DIXON NG ; LYNN YORK CHERYL ; AMANDA BUTLER ; JASON LYE ; RAMESHBABU BOGA ; JOSEPH MITCHELL ; FRANC MITCHELL JOSEPH WINDER J

Inventor(s): MITCHELL JOSEPH WINDER JAMES ALEXANDER ; JAMES J DETAMORE ; KIRAN K REDDY ; DEBRA N WELCHEL ; RONALD R PADAK ; CHARLES H GOERG ; CHERYL L YORK ; MITCHELL JOSEPH WINDER JAMES ALEXANDER DETAMORE JA ; GOERG CHARLES ; OYLER JOHN ; LEWIS RICHARD ; TRAMONTINA PAUL ; WINDER JAMES ; CLARK GERALD ; JOHNSON DARRELL ; KAPILOFF DAVID ; PHELPS STEPHEN ; YORK CHERYL L CANTON ; BUTLER AMANDA WOODSTOCK ; PADAK RONALD R SUWANEE ; WELCHEL DEBRA N WOODSTOCK ; REDDY KIRAN K ROSWELL ; LYE JASON ATLANTA ; MITCHELL JOSEPH ALPHARETTA ; BOGA RAMESHBABU ALPHARETTA ; DETAMORE JAMES J ATLANTA ; DETAMORE JAMES JOSEPH ATLANTA ; CLARK GERALD L NICHOLSON ; PADAK RONALD RAYMOND SUWANEE ; TRAMONTINA PAUL FRANCES ALPHARETTA ; LEWIS RICHARD PAUL MARIETTA ; YORK CHERYL LYNN CANTON ; MITCHELL JOSEPH WINDER JAMES ALEXANDER DETAMORE JAMES JOSEPH YORK CHERYL LYNN TRAMONTINA PAUL FRANCES OYLER JOHN ROBERT PADAK RONALD RAYMOND LEWIS RICHARD PAUL KAPILOFF DAVID W ; YORK CHERYL ; DETAMORE JAMES ; REDDY KIRAN ; WELCHEL DEBRA ; PADAK RONALD

Agent(s): BORDEN LADNER GERVAIS LLP ; ZIMMERMANN AND PARTNER PATENTANWALTE MBB ; DEHNS ; MABEY KATHERINE FRANCES ; KIMBERLY CLARK WORLDWIDE INC ; DORITY AND MANNING PA

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 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: EQUIPO AUTOMATIZADO PARA MEDICION Y CONTROL DE NIVEL EN TANQUES DE GASOLEO Y SIMILARES

Abstract: Source: ES2429226R [ES] Equipo automatizado para medicion y control de nivel en tanques de gasoleo y similares, que comprende un dispositivo de medicion (1) no intrusivo, incorporado en el tanque (2); una unidad electronica (3) de control y comunicacion, que recibe la informacion, dotada de software especifico para procesar, tratar, y almacenar dicha informacion, y capacitada para enviarla a un servidor de internet (I), a que el usuario, mediante PC (8) u otro dispositivo puede acceder; una fuente de alimentacion (4) y una barrera de seguridad intrinseca formada por uno o mas aparatos electronicos (9). El dispositivo de medicion (1) consiste en una sonda por ultrasonidos o en un radar de onda guiada. La unidad electronica (3) comprende: microcontrolador, memoria flash, puertos de comunicacion, pantalla display (5), teclado (6), entradas analogicas, salidas digitales, modem de comunicaciones (7) GSM/GPRS, y conector para fuente de alimentacion (4) externa.

Classifications:

International (IPC 8-9): G01F23/284 G01F23/296 (Advanced/Invention)

CPC: G01F23/284 G01F23/296

PatBase - ES2429226_AB

ES 2 429 226 A2

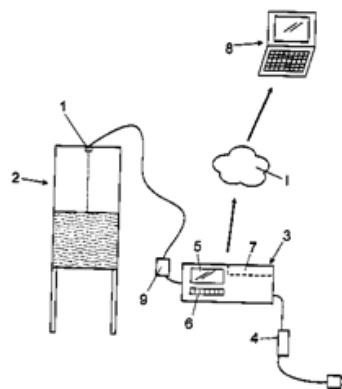


FIG. 1

Family:

Publication number	Publication date	Application number	Application date
ES2429226 AB	20131113	ES20120000034	20120113
ES2429226 BA	20140905	ES20120000034	20120113
ES2429226 R1	20131129	ES20120000034	20120113

Priority:

ES20120000034 20120113

Probable Assignee: REMOTE SYSTEMS S L

Assignee(s): (std): REMOTE SYSTEMS S L

Assignee(s): REMOTE SYSTEMS SL

Inventor(s): (std): LABORDA BONILLA CARLOS FELIX ; GOMEZ SANCHEZ JOSE MANUEL ; MAESO SANCHEZ IVAN ; BONILLA ORTEGA ISMAEL

Inventor(s): ISMAEL BONILLA ORTEGA ; IVAN MAESO SANCHEZ ; JOSE MANUEL GOMEZ SANCHEZ ; CARLOS FELIX LABORDA BONILLA

Agent(s): MUNOZ ANTONIO

Title: BLOOD TREATMENT SYSTEMS AND METHODS

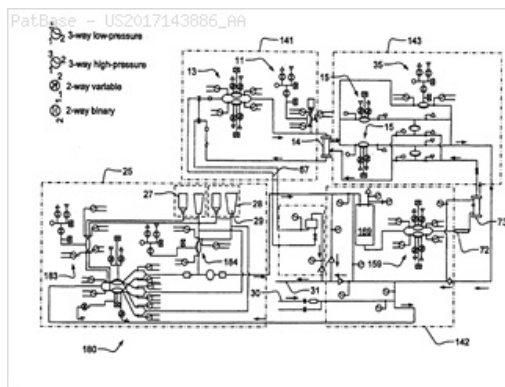
Abstract: Dialysis systems are disclosed comprising new fluid flow circuits. Systems may include blood and dialysate flow paths, where the dialysate flow path includes balancing, mixing, and/or directing circuits. Dialysate preparation may be decoupled from patient dialysis. Circuits may be defined within one or more cassettes. The fluid circuit fluid flow paths may be isolated from electrical components. A gas supply in fluid communication with the dialysate flow path and/or the dialyzer able to urge dialysate through the dialyzer and urge blood back to the patient may be included for certain emergency situations. Fluid handling devices, such as pumps, valves, and mixers that can be actuated using a control fluid may be included. Control fluid may be delivered by an external pump or other device, which may be detachable and/or generally rigid, optionally with a diaphragm dividing the device into first and second compartments.

Classifications:

International (IPC 8-9): A61K33/00 A61M1/16 A61M1/26 A61M1/30 A61M1/34 A61M1/36 (Advanced/Invention)

CPC: A61K33/00 A61M1/1006 A61M1/1037 A61M1/1062 A61M1/1087 A61M1/1096 A61M1/16 A61M1/1601 A61M1/1605 A61M1/1613 A61M1/1619 A61M1/1654 A61M1/1656 A61M1/1658 A61M1/166 A61M1/1664 A61M1/1666 A61M1/1668 A61M1/1692 A61M1/34 A61M1/341 A61M1/3609 A61M1/3621 A61M1/3627 A61M2205/12 A61M2205/15 A61M2205/18 A61M2205/3306 A61M2205/3313 A61M2205/3317 A61M2205/3324 A61M2205/3331 A61M2205/3334 A61M2205/3368 A61M2205/3379 A61M2205/50 A61M2205/502

A61M2230/65 G06F19/3481 Y02A50/395 Y02A90/26 A61M1/14
A61M1/267 A61M1/301 A61M1/3413 A61M1/3638 A61M1/3672
A61M5/172 A61M2205/3569 A61M2205/3584 A61M2205/52
A61M1/3603
US: 1/1 424/717



Family:

Publication number	Publication date	Application number	Application date
US2017143886 AA	20170525	US20170423717	20170203

Priority:

US20110489544P 20110524 US20110498394P 20110617 US20120480444 20120524
US20170423717 20170203

Probable Assignee: DEKA PRODUCTS PARTNERSHIP LTD

Assignee(s): (std): DEKA PRODUCTS LP

Assignee(s): DEKA PRODUCTS PARTNERSHIP LTD

Inventor(s): (std): WILT MICHAEL J ; FLYNN CATHARINE N ; BALLANTYNE TODD A ; YEE BRIAN K ; ROSSE JONATHAN P ; GRANT KEVIN L ; MERWE DIRK A VAN D

117) Family number: 2274585 (US4977528A)

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Title: APPARATUS AND METHOD FOR DETERMINING THE AMOUNT OF MATERIAL IN A TANK

Abstract: In order to determine the contents of a tank fitted with liquid level sensors and metering equipment, a microprocessor is programmed with an algorithm employing a mathematical expression for initially computing data value based on liquid level sensor outputs and tank dimensions, which data values are compared with actual volumetric amounts of liquid in the tank derived from the metering equipment so as to determine errors in a calibration characteristic for converting the sensor outputs into volumetric amounts. The calibration characteristic is refined by an iterative technique where constants in the mathematical expression are varied, in accordance with the program so as to make the computed data values closer to the actual volumetric amounts derived from the metering equipment for respective liquid levels in the tank.

Classifications:

International (IPC 8-9): G01F17/00 G01F23/00 G01F23/26

G01F25/00 (Advanced/Invention);

G01F17/00 G01F25/00 (Advanced/Non-invention);

G01F17/00 G01F23/00 G01F23/22 G01F25/00 (Core/Invention)

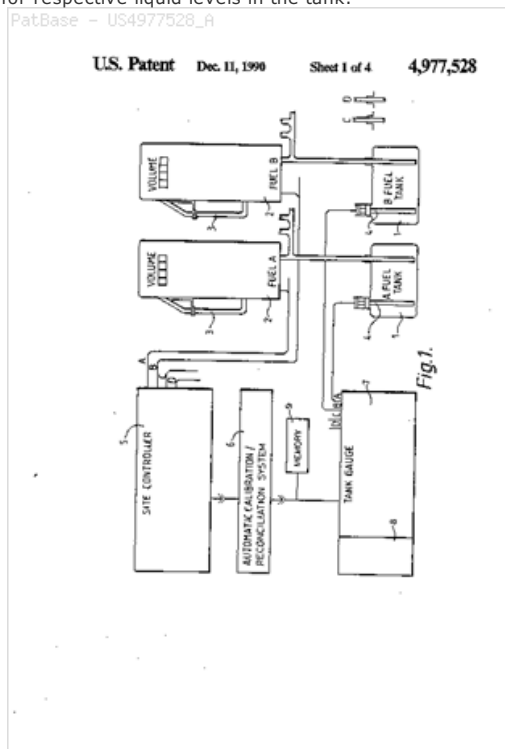
International (IPC 1-7): B67D F15B5/00 G01F17/00 G01F23/0

G01F23/00 G01F23/26 G01F25/00

CPC: G01F23/0076 G01F23/263

European: G01F23/00G1A G01F23/26B

US: 340/612 340/618 364/509 364/571.04 702/100 73/1H 73/3



Family:

Publication number	Publication date	Application number	Application date
AT69502 E	19911115	AT19880308800T	19880922
AU198822782 A1	19890323	AU19880022782	19880923
AU604969 B2	19910103	AU19880022782	19880923
DE0310298 T1	19900412	DE19880308800T	19880922
DE3866205 D1	19911219	DE19883866205	19880922
EP0310298 A1	19890405	EP19880308800	19880922
EP0310298 B1	19911113	EP19880308800	19880922

ES2028296 T3	19920701	ES19880308800T	19880922
GB8722414 A0	19871028	GB19870022414	19870923
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Priority:

GB19870022414 19870923 EP19880308800 19880922

Probable Assignee: VEEDER ROOT A BRITISH CO LTD

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Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD

Designated states: AT BE CH DE ES FR GB GR IT LI LU NL SE

118) Family number: 66336587 (US2017199069A)

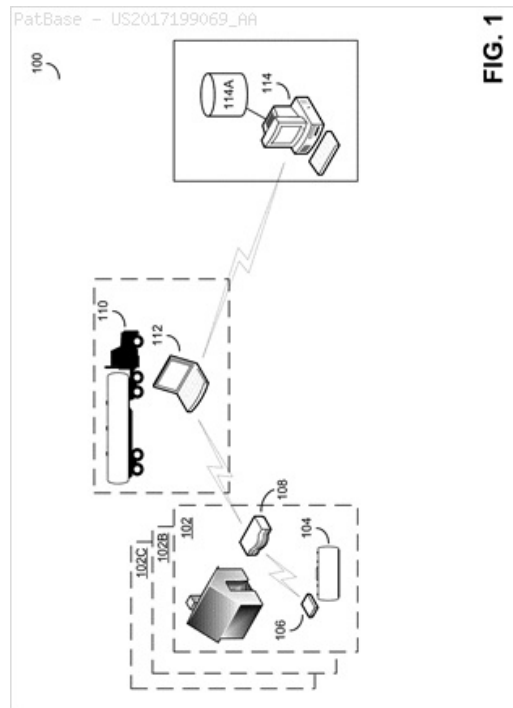
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Title: FUEL TANK LEVEL MONITORING SYSTEM

Abstract: Described herein are embodiments of a system for monitoring and detecting a level of a tank storing a material. The system may be used in making a determination of whether and/or when to provide additional material to the tank, to refill the tank partially or entirely. In some embodiments, the tank may be disposed at a premises such as a residence or commercial building and the system may be disposed in part at that premises to monitor the level of the material in the tank. In some embodiments, the material may be a fuel and the tank may be a fuel tank, to provide fuel to utilities equipment at the premises. In other embodiments, the tank may include other materials, such as other utilities materials. In some embodiments, the utilities material may be potable water.

Classifications:

International (IPC 8-9): G01C21/34 G01F23/22 G01F23/24 G01F23/26 G01F23/296 G01F25/00 G08B21/18 G08C17/02 H04L29/08 H04Q9/00 (Advanced/Invention); G01F23/24 G01F23/296 H04L29/08 (Advanced/Non-invention)
CPC: G08B21/182 G08C17/02 G08C2200/00 H04L67/12 G01F23/22 G01F23/24 G01F23/266 G01F23/296 G01F25/0061 H04Q9/00 H04Q2209/823
US: 1/1 340/450.2 73/295 73/304C



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Publication number	Publication date	Application number	Application date
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Priority:

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Inventor(s): (std): OWENS STEVEN CRATUS ; VARANKA MICHAEL ; MCMANN JAMES E ; MCBRIDE BRIAN
Agent(s): WOLF GREENFIELD AND SACKS PC

119) Family number: 31031593 (US2004074757A)

PatBase

Title: METHOD AND APPARATUS FOR PHASE CHANGE ENHANCEMENT

Abstract: A method and device for enhancing distillation in an evaporator. The evaporator includes phase change chambers, such as vertically-oriented cylindrical evaporation tubes. Each chamber has an evaporation region that can be heated externally. Each chamber has an inlet for introducing liquid to the chamber and an outlet opening for allowing vapor to exit from the chamber. Packing is inserted into one or more chambers to enhance distillation. The packing may include a rod with bristles emanating from the rod. Other chamber packing may include multiple rods or a mesh.

Classifications:

International (IPC 8-9): A23L2/52 A23L2/60 A23L2/68 A23L33/10 B01D1/00 B01D1/02 B01D1/04 B01D1/06 B01D1/22 B01D1/28 B01D1/30 B01D24/48 B01D29/01 B01D29/31 B01D29/50 B01D29/52 B01D29/60 B01D29/66 B01D29/96 B01D3/00 B01D3/02 B01D3/04 B01D3/08 B01D3/10 B01D3/14 B01D3/28 B01D3/32 B01D3/34 B01D3/38 B01D3/42 B01D33/44 B01D35/12 B01D35/16 B01D35/22 B01D45/00 B01D45/08 B01D45/14 B01D5/00 B01D53/00 B67D1/00 B67D1/08 B67D7/08 C01D3/10 C02F1/00 C02F1/02 C02F1/04 C02F1/08 C02F1/16 C02F1/18 C02F1/20 C02F1/32 C02F1/46 C02F1/48 C02F1/68 C02F9/00 C12M1/12 F01B29/10 F02C9/00 F02G1/043 F02G1/044 F02G1/053 F02G1/055 F02G1/06 F02G5/00 F02G5/04 F04B35/04 F04B49/03 F04B49/04 F04C19/00 F04C29/00 F04D1/12 F04D13/06 F04D23/00 F04D25/02 F04D29/00 F04D29/02 F04D29/057 F04D29/063 F04F5/06 F04F99/00 F16J1/14 F16J3/02 F16K1/00 F16K15/00 F16K15/03 F16K17/00 F17D3/01 F22B1/08 F22B37/18 F24H3/02 F25B1/00 F25B19/00 F25B39/00 F25B9/00 F25B9/14 F25D21/14 F28D15/00 F28D21/00 F28D7/00 F28D7/16 F28D9/00 F28F1/00 F28F1/40 F28F13/00 F28F3/00 G01D4/00 G01F9/00 G01N11/02 G01N27/10 G01N33/18 G05B15/02 G05D1/02 G05D7/00 G05D7/06 G06F11/30 G06Q50/06 H02P9/04 H04Q9/00 (Advanced/Invention);

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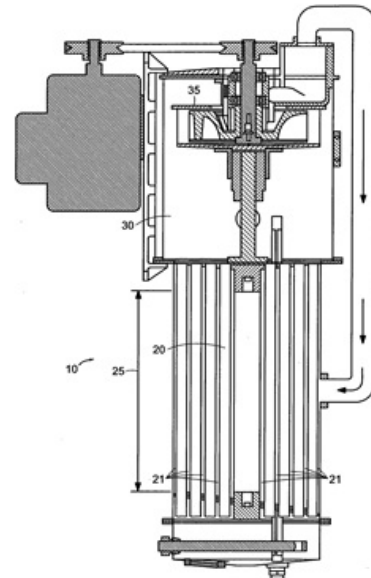
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WO08154435 A2	20081218	WO2008US66198	20080606
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Priority:

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US20190370212	20190329	US20190544258	20190819		

Probable Assignee: DEKA PRODUCTS PARTNERSHIP LTD

Assignee(s): (std): BEAVIS RUSSELL H ; BEDNAREK DAVID F ; BHAT PRASHANT ; DEKA PRODUCTS LP ; DEKA PRODUCTS LIMITED PARTNERSHIP ; CLAPP OTIS L ; CHARLES ROBERT ANDREW ; COLL ANDREW ; DEAK PRODUCTS LTD PARTNERSHIP ; DEMERS JASON A ; DEKA PRODUCTS PARTNERSHIP LTD ; OWENS KINGSTON ; KAMEN DEAN ; LAROCQUE RYAN ; LANGENFELD CHRISTOPHER C ; SCHNELLINGER ANDREW A ; SMITH STANLEY B III ; LAROCQUE RYAN K ; SMITH STANLEY B ; SWERDLOW JEREMY M ; SMITH III STANLEY B ; MCGILL DAVID W ; LEONARD SCOTT A ; JACKSON JAMES L ; DUGGAN TIMOTHY P ; HEINZMANN GUSTAV ; HOELL JR JOSEPH A ; DEKA PRODUSTS LTD PARTNERSHIP ; ENT STEPHEN M

Assignee(s): JACKSON JAMES ; DEKA PRODUCTS LTD PARTNERSHIP MANCHESTER ; DEKA PRODUCTS PARTNERSHIP MANCHESTER LTD ; DEKA PRODUCTS LTD ; DEKA PRODUCTS PATNERSHIP LTD ; DEKA PRODUSTS PARTNERSHIP LTD ; DEKA PRODUSTS LIMITED PARTNERSHIP ; DEAK PRODUCTS PARTNERSHIP LTD

Inventor(s): (std): CHARLES ROBERT A ; HEINZMAN GUSTAV ; COLL ANDREW ; HOELL JOSEPH A JR ; JAKSON JAMES ; JASON A DEMERS ; DAVID W MCGILL ; KINGSTON OWENS ; DAVID F BEDNAREK ; JAMES JACKSON ; TIMOTHY P DUGGAN ; SCOTT A LEONARD ; BEDNAREK DAVID F ; DUGGAN TIMOTHY P ; JACKSON JAMES ; MCGILL DAVID W ; KAMEN DEAN ; JACKSON JAMES L ; DEMERS JASON A ; LEONARD SCOTT A ; OWENS KINGSTON ; OWENS BEDNAREK DAVID F DEMERS ; CHARLES ROBERT ANDREW ; KAMEN JR DEAN ; SCHNELLINGER ANDREW ; LANGENFELD CHRIS C ; MCGILL DAVID ; DUGGAN TIMOTHY ; BEDNAREK DAVE ; SWERDLOW JEREMY M ; LAROCQUE RYAN K ; LANGENFELD CHRISITOPHER C ; SMITH STANLEY B ; RAVINDRAN AADITYA ; BAKER MICHAEL A ; KERWIN JOHN M ; STEPHEN M ENT ; ROBERT E SMITH III ; RYAN K LAROCQUE ; LAROCQUE RYAN KEITH ; BEAVIS RUSSELL H ; CHRISTOPHER C LANGENFELD ; ANDREW A SCHNELLINGER ; OTIS L CLAPP ; STANLEY B SMITH III ; LUND JEREMY B ; LAGENFELD CHRISTOPHER C ; BHAY MITHUN R ; COLL ANDREW S ; PRASHANT BHAT ; RYAN LAROCQUE ; SMITH STANLEY B III ; HOELL JR JOSEPH A ; HEINZMANN GUSTAV ; DEAN KAMEN ; SMITH III STANLEY B ; CLAPP OTIS L ; BHAT PRASHANT ; LANGENFELD CHRISTOPHER C ;

Inventor(s): LAROCQUE RYAN ; SCHNELLINGER ANDREW A ; ENT STEPHEN M ; DEMERS JASON ; LEONARD SCOTT HOELL JR ; DEMERS JASON A MANCHESTER ; KAMEN DEAN BEDFORD ; OWENS KINGSTON BEDFORD ; HOELL JOSEPH ; CHARLES ROBERT ; JASON DEMERS ; DAVE BEDNAREK ; DAVID MCGILL ; TIMOTHY DUGGAN ; SCOTT LEONARD ; BEDNAREK DAVID ; DUGGAN TIMOTHY P EPSOM ; MCGILL DAVID W FORT MYERS ; BEDNAREK DAVID F NORTH HAMPTON ; LEONARD SCOTT A BEDFORD ; JACKSON JAMES BROOKLINE ; HOELL JOSEPH A ; HOELL JOSEPH AJR ; BEDNAREK DAVID F DEMERS JASON A DUGGAN TIMOTHY P J ; MCCGILL DAVID W ; KAMEN DEAN L ; OWENS KINGSTEN

Agent(s): GRIFFITH HACK; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; FINNIE PETER JOHN; CROFTS GRAHAM JOHN; GILL JENNINGS AND EVERY LLP; CUNDY JACK WILLIAM; YAMASAKI YUKUZO; AKAMATSU TOSHIKI; BROMBERG AND SUNSTEIN LLP; MICHELLE SAQUET TEMPLE; TEMPLE MICHELLE SAQUET; MICHELLE SAQUET; TEMPLE MICHAEL SAQUET

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

120) Family number: 15763607 (WO0177625A1)

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Title: SYSTEM AND METHOD FOR REMOTE MONITORING OF TANK LEVELS

Abstract: Embodiments of the invention are described including a remote level monitoring device. The remote level monitoring device includes a ping source for placement on a tank containing a liquid. The ping source provides a ping signal that is transmitted into the tank. In a preferred embodiment, the ping signal is an ultrasonic signal. A transducer is provided for receiving reflections of the ping signal off of the top surface of the liquid. The difference between the time the ping is sent and the time it is received indicates the top level of the liquid in the tank. A signal indicating the level is transmitted to a central monitoring facility. Preferably, the signal is transmitted via a communications satellite. Refilling trucks are then sent to the remote site to refill the tank when the level signal indicates that refilling is necessary.

Classifications:

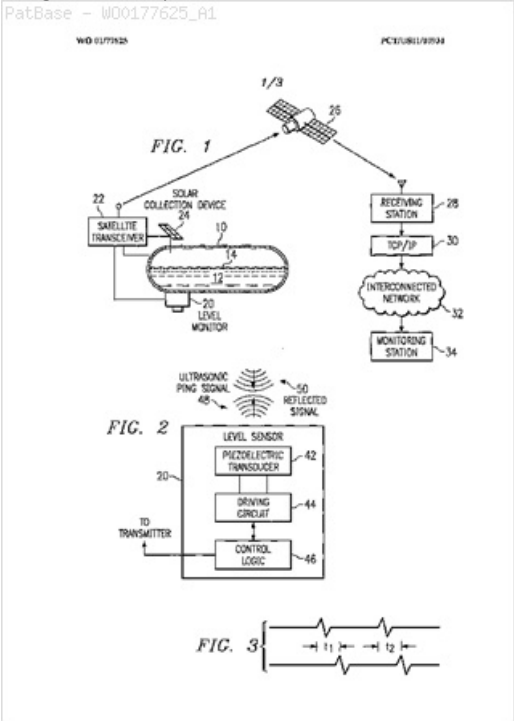
International (IPC 8-9): G01F23/296 (Advanced/Invention);

G01F23/296 (Core/Invention)

International (IPC 1-7): G01F23/296

CPC: G01F23/2962

European: G01F23/296D



Family:

Publication number	Publication date	Application number	Application date
AU2001249847 AA	20011023	AU20010249847	20010404
WO0177625 A1	20011018	WO2001US10931	20010404

Priority:

US20000543208 20000405 WO2001US10931 20010404

Probable Assignee: FIREBIRD DATA COMMUNICATIONS I

Assignee(s): (std): FIREBIRD DATA COMMUNICATIONS I

Assignee(s): FIREBIRD DATA COMMUNICATIONS INC

Inventor(s): (std): LAGERGREN PETER JOHN ; ALLEN CHESTER CAMERON

Inventor(s): PETER JOHN LAGERGREN ; CHESTER CAMERON ALLEN

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

121) Family number: 53125610 (US2013054159A)

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Title: WIRELESS TANK LEVEL MONITORING SYSTEM

Abstract: A method and system are described for detecting a fluid level within a fluid vessel by disposing a wireless fluid sensor module in the fluid vessel, measuring at least one characteristic of a fluid in the fluid vessel, and wirelessly

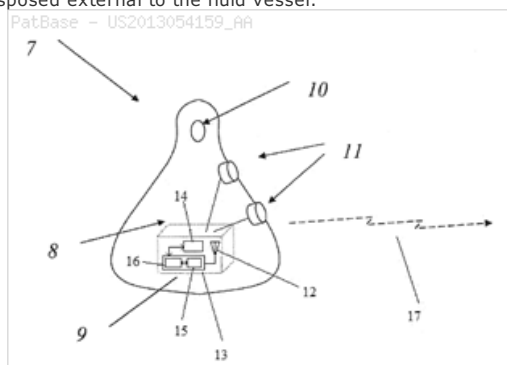
transmitting the measured at least one characteristic to a receiver disposed external to the fluid vessel.

Classifications:

International (IPC 8-9): G01F23/00 G01F23/28 G01F23/296
G01F25/00 G01N29/024 G01N29/14 G01N29/50 G06F19/00
G08C17/02 (Advanced/Invention);
G01N29/07 (Advanced/Non-invention)

CPC: G01F23/0076 G01F23/18 G01F23/28 G01F23/296 G01F23/2962
G01F25/0061 G08C17/02 H04Q9/00 H04Q2209/40 G01F23/00
G01N29/024 G01N29/07 G01N29/14 G01N29/50 G01N291/02836

US: 702/55



Family:

Publication number	Publication date	Application number	Application date
US2013054159 AA	20130228	US20120601083	20120831
US9711038 BA	20170718	US20130866672	20130419
US10068467 BA	20180904	US20170612424	20170602

Priority:

US20110529757P 20110831 US20120601083 20120831 US20130839377 20130315
US20130866672 20130419 US20170612424 20170602

Probable Assignee: PENNEBAKER III E STRODE

Assignee(s): (std): PENNEBAKER E STRODE ; PENNEBAKER III E STRODE

Inventor(s): (std): PENNEBAKER E STRODE ; PENNEBAKER III E STRODE

Agent(s): OSHA LIANG LLP

122) Family number: 58127611 (US2014375469A)

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Title: PROPANE TANK CONTINUOUS MONITORING SYSTEM

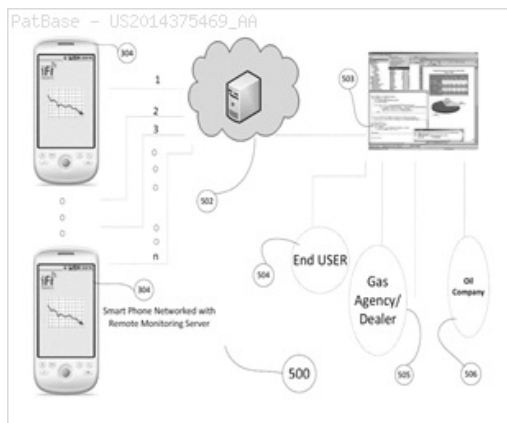
Abstract: An apparatus, system and method for measuring quantity of a material are disclosed. One or more sensors are used to measure the quantity of the material are measured and error causing parameters are also measured. Error causing parameters are processed by executing one or more correction methodologies to determine a correction output. The quantity of the material is measured by using the correction output. One or values associated with the quantity of the material are measured and displayed. The one or more values are transmitted to a server and informative messages are received from the server.

Classifications:

International (IPC 8-9): F17C13/00 F17C13/02 G08B25/08
G08C17/02 H04Q9/00 (Advanced/Invention)

CPC: F17C13/028 H04Q9/00 F17C13/026 F17C2250/0426
F17C2250/0439 G08C17/02 G08B25/08 F17C3/00 F17C2221/035
F17C2223/0153 F17C2250/032 F17C2250/034 F17C2250/043
F17C2250/0473 F17C2250/0478 F17C2250/0482 F17C2250/0495
F17C2265/04 F17C2270/0709 F17C13/023 F17C2201/0104
F17C2201/032 F17C2201/058 F17C2205/0308 F17C2223/033
F17C2250/0417 F17C2250/0421 F17C2250/0465 F17C2250/0491
F17C2260/024 F17C2270/0745

US: 1/1 340/666 340/870.01 340/870.02



Family:

Publication number	Publication date	Application number	Application date
IN02081MU2013 A	20150605	IN2013MU02081	20130619
IN201826011446 A	20181130	IN201826011446	20180327
US2014375469 AA	20141225	US20130922217	20130619
US2016341365 AA	20161124	US20160224645	20160731
US2018073682 AA	20180315	US20170814374	20171115
US9453611 BB	20160927	US20130922217	20130619
US9851053 BB	20171226	US20160224645	20160731
US10119657 BB	20181106	US20170814374	20171115

Priority:

US20120661766P 20120619 IN2013MU02081 20130619 US20130922217 20130619
US20160224645 20160731 US20170814374 20171115

Probable Assignee: SUMAN SHAIENDRA K

Assignee(s): (std): SUMAN SHAIENDRA ; SUMAN SHAIENDRA K ; SUMAN SHAIENDRA KUMAR

Assignee(s): SHAIENDRA K SUMAN

Inventor(s): (std): SUMAN SHAIENDRA ; SUMAN SHAIENDRA KUMAR ; SUMAN SHAIENDRA K

Inventor(s): SHAIENDRA K SUMAN

Agent(s): GEOFFREY; GELMAN GEOFFREY

Title: ELECTROCHEMICAL ION EXCHANGE TREATMENT OF FLUIDS

Abstract: A fluid treatment apparatus for treating a fluid comprises an electrochemical cell having fluid orifices to receive and release fluid, and a fluid passageway connecting the orifices with a water-splitting ion exchange membrane is exposed to the fluid in the passageway. First and second electrodes are positioned about the membrane. The apparatus also comprises a controller to control and operate a power supply and valve system. The power supply supplies a current to the first and second electrodes at sufficiently high current density to result in bacteriostasis, deactivation, or a reduction in the microorganisms in the fluid. The controller can also operate a set of cells to deionize fluid and regenerate the cells.

Classifications:

International (IPC 8-9): B01D61/44 B01D61/42 B01D61/48

B01D61/54 B03C5/00 B03C5/02 C02F1/46 C02F1/461

C02F1/469 (Advanced/Invention);

B01D61/44 C02F1/00 C02F1/28 C02F1/32 C02F1/42 C02F1/44

C02F1/467 C02F1/469 (Advanced/Non-invention);

B01D61/42 B03C5/00 C02F1/469 (Core/Invention)

International (IPC 1-7): C02F1/469

CPC: C02F1/4695 C02F2301/026 C02F2301/043 B01D61/54

B01D2311/24 C02F1/001 C02F1/283 C02F1/32 C02F1/441

C02F1/4602 C02F1/46109 C02F1/4672 C02F1/4693 C02F2001/422

C02F2001/425 C02F2001/46152 C02F2201/003 C02F2201/46115

C02F2201/46125 C02F2201/4613 C02F2201/46145 C02F2201/4616

C02F2209/02 C02F2209/03 C02F2209/05 C02F2209/40 C02F2303/04

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C02F2303/20

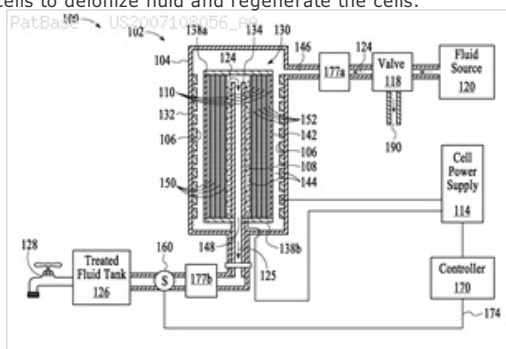
European: B01D61/44 B01D61/54 C02F1/461B2 C02F1/469

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M02F201/461B6D M02F209/02 M02F209/03 M02F209/05 M02F209/40 M02F303/04 M02F303/16

US: 1/1 204/536 204/537 204/538 204/554 204/631 204/632 204/660 204/660S 204/661 204/663

**Family:**

Publication number	Publication date	Application number	Application date
BRPI0616890 A2	20110705	BR2006PI16890	20061006
CN101316794 A	20081203	CN200680044337	20061006
CN101316794 B	20160106	CN200680044337	20061006
CN105540763 A	20160504	CN201510907626	20061006
EP1945577 A1	20080723	EP20060825614	20061006
IN01726CN2008 A	20090102	IN2008CN01726	20080404
KR101333243 B1	20131126	KR20087010854	20061006
KR20080056284 A	20080620	KR20087010854	20061006
TW200744958 A	20071216	TW20060137317	20061011
TWI460134 B	20141111	TW20060137317	20061011
US2007108056 AA	20070517	US20060539596	20061006
US2014027288 AA	20140130	US20130044840	20131002
US8562803 BB	20131022	US20060539596	20061006
US9090493 BB	20150728	US20130044840	20131002
WO07044609 A1	20070419	WO2006US39297	20061006

Priority:

US20050724456P 20051006 US20060831703P 20060717 CN200680044337 20061006
 US20060539596 20061006 WO2006US39297 20061006 US20130044840 20131002

Probable Assignee: PIONETICS CORP

Assignee(s): (std): NYBERG ERIC DAVID ; JANAH ASHOK KUMAR ; PIONETICS CORP ; VOGDES CHRISTINE ELLEN ; HOLMES JAMES CRAWFORD ; PIONETICS INC

Assignee(s): NGEN ENABLING TECHNOLOGIES FUND LP ; ONEWEST BANK FSB ; XPV CAPITAL AGENT AS CORP ; POS TECHNOLOGY INC ; XPV CAPITAL AGENT CORP AS ; COMERICA BANK ; EMPORIA CAPITAL FUNDING LLC ADMINISTRATIVE AGENT AS ; EMPORIA CAPITAL FUNDING LLC ADMINISTRATIVE AGENT F ; EMPORIA CAPITAL FUNDING LLC ADMINISTRATIVE AGENT FOR LENDERS AS ; EMPORIA CAPITAL FUNDING LLC AS ADMINISTRATIVE AGENT

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Inventor(s): JAMES CRAWFORD HOLMES ; ASHOK KUMAR JANAH ; ERIC DAVID NYBERG ; CHRISTINE ELLEN VOGDES ; NYBERG ERIC ; VOGDES CHRISTINE ; JANAH ASHOK ; HOLMES JAMES

Agent(s): ZIMMERMANN AND PARTNER; JANAH AND ASSOCIATES A PROFESSIONAL CORP; ASHOK K; JANAH AND ASSOCIATES PC

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: HOT WATER DISINFECTION OF DIALYSIS MACHINES, INCLUDING THE EXTRACORPOREAL CIRCUIT THEREOF

Abstract: A dialysis machine is disclosed that incorporates a water treatment module, a dialysate preparation module having a dialysate circuit, and an extracorporeal circuit including a dialyzer and arterial and venous blood lines that connect to the patient. The machine accomplishes on-line disinfection of all the fluid circuits of the machine, including the water treatment module, the dialysate preparation module and extracorporeal circuit, the arterial and venous lines, and the dialyzer, by circulating water heated to a high level disinfection temperature (e.g., 80 degrees C.) through the fluid passages of the machine for a sufficient time (such as an hour) to achieve high level disinfection. After the dialysis session is ended, the

patient connects the arterial and venous lines to ports in a disinfection manifold that places the arterial and venous lines into fluid communication with the heated water. Thereafter, the machine is ready to disinfect the fluid circuits including the extracorporeal circuit. In a preferred embodiment, the ports of the disinfection manifold ports include recessed features that permit the hot water to circulate on the interior and exterior surfaces of the arterial and venous line connectors, thereby insuring that the surfaces of connectors themselves are also disinfected.

Classifications:

International (IPC 8-9): A61L2/04 A61L2/18 A61M1/14 A61M1/16 A61M1/34 A61M1/36 A61M39/16 B01D17/00 B01D17/09 B01D61/00 B01D61/02 B01D61/04 B01D61/12 B01D61/24 B01D61/30 B01D61/32 B01D65/02 B01D65/10 C02F1/28 C02F1/44 C02F1/68 F16K17/04 (Advanced/Invention); A61M1/14 A61M1/16 A61M1/34 A61M39/16 (Advanced/Non-invention); A61L2/04 A61L2/18 A61M1/14 A61M1/16 A61M1/36 B01D61/02 B01D61/24 B01D65/00 C02F1/44 (Core/Invention); A61M1/16 A61M1/34 (Core/Non-invention)

International (IPC 1-7): A61J1/00 A61L2/00 A61L2/04 A61L2/16 A61L2/18 A61L2/24 A61M1/14 A61M1/16 A61M1/28 A61M1/36 A61M39/16 B01D17/00 B01D17/09 B01D17/12 B01D19/00 B01D21/20 B01D24/46 B01D24/48 B01D27/10 B01D35/00 B01D35/01 B01D35/18 B01D36/00 B01D36/04 B01D37/00 B01D41/00 B01D61/00 B01D61/08 B01D61/24 B01D61/26 B01D61/28 B01D61/30 B01D61/32 B01D61/34 B01D63/00 B01D65/00 B01D65/02 B01D65/08 B01D65/10 B01D71/00 B01F1/00 B01F3/00 B08B3/00 B08B9/00 B65D39/00 B67B7/46 B67C9/00 B67D1/00 C02F1/02 C02F1/28 C02F1/44 C02F1/68 F16K17/06 F16L35/00 G01F13/00 G01F22/00 G01J3/00 G06F3/00 G08B29/00 G08C19/00 G09F3/00

CPC: Y10S210/929 Y10S215/03 Y10S248/919 B01D2321/16 B01D2321/32 B01D65/027 A61M1/14 A61M2205/502 A61M2205/52 G06F19/3481 B01D61/32 B01D65/104 A61M1/288 A61M1/3468 B01D61/027 Y10T137/7722 Y10T137/7794 Y10T137/7796 Y10T137/7799 A61M1/3455 A61M2205/3344 A61M1/3609 A61M2230/65 G16H40/63 A61M1/3427 A61M1/3441 B01D65/10 B01D2321/04 A61L2/04 A61L2/18 A61M1/16 A61M1/1601 A61M1/1607 A61M1/1609 A61M1/1649 A61M1/165 A61M1/1656 A61M1/1658 A61M1/166 A61M1/1662 A61M1/1666 A61M1/1668 A61M1/1672 A61M1/1682 A61M1/1684 A61M1/1686 A61M1/1688 A61M1/169 A61M1/1692 A61M1/1694 A61M1/28 A61M1/3434 A61M1/3437 A61M1/3462 A61M1/3465 A61M1/3626 A61M1/3627 A61M1/3629 A61M1/3639 A61M1/3641 A61M1/3643 A61M1/3644 A61M1/3646 A61M1/3647 A61M1/3649 A61M1/365 A61M39/16 A61M2205/12 A61M2205/15 A61M2205/17 A61M2205/3317 A61M2205/3324 A61M2205/3382 A61M2205/3386 A61M2205/505 A61M2205/6072 A61M2205/705 A61M2205/707 A61M2205/7554 A61M2205/7581 A61M2206/11 B01D61/02 B01D61/025 B01D61/04 B01D61/12 B01D65/022 B01D65/102 B01D2311/04 B01D2321/08 C02F1/441 F16K17/0453 A61M2205/18 A61M2205/3331 A61M2205/3368 B01D2321/40

European: A61L2/04 A61L2/18 A61M1/14 A61M1/16 A61M1/16D2 A61M1/16F2 A61M1/16F4 A61M1/16L A61M1/16R A61M1/36C3 A61M1/36C4 A61M1/36C5 A61M1/36C6 B01D61/02 B01D61/02D B01D61/04 B01D61/12 B01D61/32 B01D65/02B B01D65/10 B01D65/10B B01D65/10D C02F1/44B F16K17/04H2 G06F19/34A G06F19/34N K61M1/16 K61M1/16A4C1 K61M1/16A4C2 K61M1/16B12 K61M1/16B13 K61M1/16D2A K61M1/16D2B K61M1/16D2B2 K61M1/16D2C K61M1/16D2D K61M1/16D2M K61M1/16F1 K61M1/16F1A K61M1/16F2 K61M1/16F3 K61M1/16F4 K61M1/16L K61M1/16R K61M1/34E1P K61M1/34E1P4 K61M1/34E1R K61M1/34E4D K61M1/34E4F K61M1/36C4A K61M1/36C5B K61M1/36C6 K61M1/36C6A2 K61M1/36C6A3 K61M1/36C6A4 K61M1/36C6A6 K61M205/12 K61M205/15 K61M205/17 K61M205/33V1 K61M205/33V2 K61M205/50A K61M205/50A1 K61M205/52 K61M205/60P2 K61M205/70F1 K61M205/70F2 K61M205/75G K61M205/75K K61M206/11 K61M39/16 L01D311/04

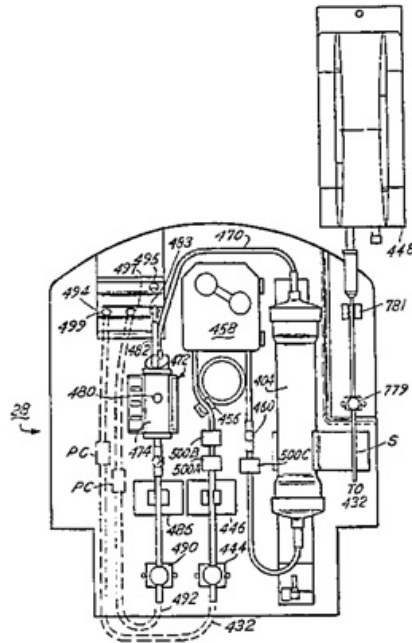
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Locarno class: 24/01

Family:

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Probable Assignee: BAXTER HEALTHCARE SA

Assignee(s): (std): BROSE TOM L ; BELL ERIC ; BAXTER HEALTHCARE SA ; FELDSEIN THOMAS M ; KENLEY RODNEY S ; MINNS GORDON H ; PAWLAK KENNETH E ; MATTHEWS DAWN ; ADOLF WAYNE F ; AKSYS LTD ; TREU DENNIS M ; WILKERSON DOUGLAS L ; WALKER DONALD C ; PETER FREDERICK H JR ; AKUSHISU LTD

Assignee(s): AKSYS LTD ; SAGE RUSSELL L ; WIKLUND MICHAEL EDWARD ; PLUMMER LORI A ; AKSYS LTD LIBERTYVILLE ILL US ; MINNS H GORDON ; DURUS LIFE SCIENCES MASTER FUND LTD A CAYMEN ISLANDS EXEMPTED CO ; FELDSIEN THOMAS M ; GEBHARDT ANDREW ; DEJESUS JOEL ; DOLAN WILLIAM R ; FELDSTEN THOMAS M ; PETER FREDERICK H ; BARRETT SHAWN O ; BAXTER INT INC ; BAXTER HEALTHCARE SINGAPORE BRANCH SA ; DURUS LIFE SCIENCES MASTER FUND LTD ; HHD LLC A DELAWARE LTD ; DURUS LIFE SCIENCES MASTER FUND LTD A CAYMEN ISLAND ; HHD LLC A DELAWARE LIABILITY CO LTD ; HHD LLC ; MILLIPORE CORP ; MINNS H

Inventor(s): (std): SCHROEDER CHRISTINE F ; PAWLAK KENNETH E ; BELL ERIC ; MINNS GORDON H ; PETER FREDERICK H JUN ; WALKER DONALD C ; ADOLF WAYNE F ; FELDSEIN THOMAS M ; WIEBENSON DEREK ; MATTHEWS DAWN ; SAGE RUSSELL L ; PLUMMER LORI A ; DOLAN WILLIAM R ; GEBHARDT ANDREW ; BARRETT SHAWN O ; PETER FREDERICK H JR ; DEJESUS JOEL ; KENLEY RODNEY S ; WILKERSON DOUGLAS L ; WIKLUND MICHAEL E ; TREU DENNIS M ; BROSE TOM L ; DOLAN WILLIAM ; TREU DENNIS ; BARRETT SHAWN ; PETER FREDERICK ; BROSE TOM ; WILKERSON DOUGLAS ; PLUMMER LORI ; KENLEY RODNEY ; WIKLUND MICHAEL ; SAGE RUSSELL ; FELDSIEN THOMAS M ; MALIEKKAL SHINCY ; WIKLUND MICHAEL EDWARD ; SAGE RUSSELL L ; FAEHRNICH RICHARD ; BLASKO JOHN A ; WROBLEWSKI STEVEN J ; SHAH DILIP H ; MINNS H GORDON ; PETER JR FREDERICK H ; BROSE L ; WIKLUND EDWARD ; PLUMMER A ; BARRETT O ; TREU M ; KENLEY S ; SAGE L ; DOLAN R ; WILKERSON L ; PETER H ; ROETTGER LINDA ; PETER FREDERICK H ; PETER JUN FREDERICK H

Inventor(s): PETER JUN ; ANELLO ANTHONY M ; PETERS MICHAEL D ; HOUGH JACK B ; CESARONI WILLIAM C ; FELDSTEIN THOMAS M ; GORDON H MINNS ; KENESU II POORATSUKU ; RODONII ESU KENRII ; TOMU ERU BUROOZU ; UEIN EFU ADORUFU ; DAGURASU ERU UIRUKAASUN ; DONARUDO SUII UOOKAA ; EICHI GOODON MINSU ; DENISU EMU TOURUU ; DOON MASHIYUZZU ; TOOMASU EMU FUERUDUSEN ; ERITSUKU BERU ; FUREDERITSUKU EICHI PIITAA JIYUNIA ; MINNS H ; FREDERICK H PETER JR ; DENNIS M TREU ; DONALD C WALKER ; THOMAS M FELDSEIN ; RODNEY S KENLEY ; DOUGLAS L WILKERSON ; ERIC BELL ; WAYNE F ADOLF ; H GORDON MINNS ; DAWN MATTHEWS ; TOM L BROSE ; KENNETH E PAWLAK ; THOMAS M FELDSTEIN ; KENNETH EDMOND PAWLAK ; THOMAS M FIELDSTEIN ; FELDSTEN THOMAS M ; SHAWN O BARRETT ; ANDREW GEBHARDT ; MICHAEL EDWARD WIKLUND ; WILLIAM R DOLAN ; RUSSELL L SAGE ; JOEL DEJESUS ; LORI A PLUMMER

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; SMART AND BIGGAR; JEFFREY PHILIP MICHAEL

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GH GN GR HU IE IL IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MC MD MG MK 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 US UZ VN WZ

125) Family number: 57467621 (US2016010445A)

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Title: SYSTEMS AND METHODS FOR PROVIDING END-TO-END MONITORING AND/OR CONTROL OF REMOTE OIL AND GAS PRODUCTION ASSETS

Abstract: Implementations are directed to remote data aggregation, data management, and data visualization of field data from remote field site locations. Actions can include generating, by one or more sensors, the field data, each sensor of the one or more sensors being responsive to field site activity, transmitting, through a regional network, the field data to a back-end system, processing, by the back-end system, the field data to provide visualization data, transmitting the visualization data to one or more mobile computing devices, and providing a computer-executable application for execution on a mobile computing device, the computer-executable application processing the visualization data to provide data visualizations.

Classifications:

International (IPC 8-9): E21B47/00 G05B19/40 G05B19/406
G06Q10/06 H04L29/08 H04W4/00 H04W4/38 H04W84/00
H04W88/16 (Advanced/Invention);
H04W4/00 H04W4/38 (Advanced/Non-invention)
CPC: H04W4/006 G06Q10/06 H04L67/12 H04W4/38 E21B47/00
G05B19/406 G05B2219/40573
US: 1/1 700/108 702/6

**Family:**

Publication number	Publication date	Application number	Application date
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US10100629 BB	20181016	US20140770917	20140312
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Priority:

US20130790473P 20130315 US20140770917 20140312 WO2014US24034 20140312
 US20150770917 20150827 US20180160691 20181015

Probable Assignee: WELLWARE HOLDINGS INC**Assignee(s):** (std): WELLWARE HOLDINGS INC**Assignee(s):** HARRISON MATTHEW ; MOORE STEPHEN TREY ; POWELL WILLIAM CAMERON**Inventor(s):** (std): MATTHEW HARRISON ; WILLIAM CAMERON POWELL ; STEPHEN TREY MOORE ; POWELL WILLIAM CAMERON ; MOORE STEPHEN TREY ; HARRISON MATTHEW**Agent(s):** GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; FISH AND RICHARDSON PC; MCCARTHY RYAN

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 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

126) Family number: 58820624 (US8992838B)

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Title: HYDROCARBON VAPOR RECOVERY SYSTEM

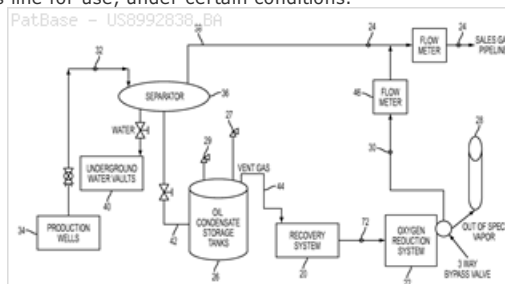
Abstract: Disclosed herein is a system for recovering flash gas from an oil storage tank. In one example of the invention, the system may include a flexible storage tank that receives the flash gas and temporarily stores the flash gas; a compressor having an input receiving the flash gas from the flexible storage tank, the compressor compressing the flash gas to form compressed gas; and an oxygen reduction subsystem receiving the compressed gas, the oxygen reduction subsystem reducing an amount of oxygen from the compressed gas. In this manner, the resulting compressed oxygen-reduced gas that has been recovered can be injected into a sales gas line for use, under certain conditions.

Classifications:

International (IPC 8-9): B01D19/00 B01D3/00 B01D3/34 B01D3/40 B01J19/00 B01J19/24 B01J8/00 B01J8/02 B01J8/04 B65D90/30 C10G5/06 C10G7/00 C10G7/08 C10G7/12 C10L3/10 E21B43/00 E21B43/34 E21B43/40 F25J1/00 F25J5/00 (Advanced/Invention); B01D3/00 B01J19/24 C07C9/00 C07C9/02 C07C9/04 C10G5/00 C10G7/00 C10G7/08 C10G7/12 C10L3/00 C10L3/06 C10L3/08 E21B43/00 E21B43/12 F25J5/00 (Advanced/Non-invention)
CPC: B01D53/146 B01D53/8671 B01D2255/1023 B01D2255/20792 B01D2256/24 B01D2257/104 B01D2257/30 B01D2259/4516 C10G5/06 B01D19/0063 B01D19/0068 C10L3/101 B01J2208/00628 B01D19/0073 B01D53/1406 B01J8/001 B01J8/025 B01J8/0278 B01J8/0453 B01J8/0457 B01J8/0492 B01J2208/00061 B01J2208/0007 B01J2208/00176 B01J2208/00274 B01J2208/0053 B01J2208/025 B01J2219/00198 B01J2219/00202 B01J2219/00213 B01J2219/00231 B01J2219/0024 B01J2219/00263 B01J2219/00265 B01J8/0285 B01J8/0496 B01J2208/00017 B01J2208/00548 B01J2208/027

US: 1/1 422/129

PatBase - US8992838_BA

**Family:**

Publication number	Publication date	Application number	Application date
US8992838 BA	20150331	US20120365247	20120202
US9334109 BA	20160510	US20140578281	20141219
US9764255 BA	20170919	US20150673375	20150330
US9776155 BA	20171003	US20150678336	20150403

Priority:

US20110438834P 20110202 US20110451557P 20110310 US20110570700P 20111214
 US20120365247 20120202 US20130826543P 20130523 US20130918583P 20131219
 US20140286983 20140523 US20140578281 20141219 US20150673375 20150330
 US20150678336 20150403

Probable Assignee: ECOVAPOR RECOVERY SYSTEMS LLC

127) Family number: 2087629 (US4551719A)

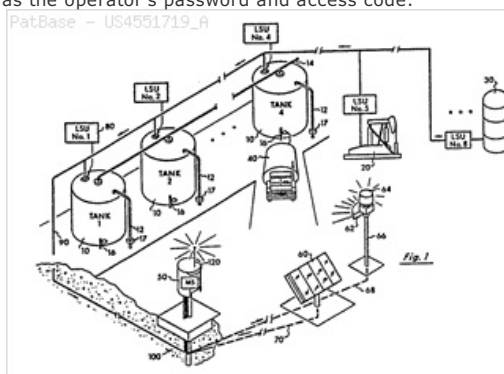
Title: Oil field lease management and security system and method therefor

Classifications:

International (IPC 1-7): B67D5/06 H04Q9/00

European: B67D7/32 B67D7/78 G01F1/00C G01F15/00K G01F23/00
G01F23/296

US: 340/3.32 340/3.7 340/825.36 702/182 702/55



Publication number	Publication date	Application number	Application date
AU198322035 A1	19840928	AU19830022035	19831020
EP0142499 A1	19850529	EP19830903705	19831020
US4551719 A	19851105	US19830472651	19830307
WO8403488 A1	19840913	WO1983US01640	19831020

US19830472651 19830307 WO1983US01640 19831020

Assignee(s): (std): CYPHER SYSTEMS

Inventor(s): (std): LOPEZ BENJAMIN L ; HENTHORN JULES B ; THOMPSON RANDALL D ; MOBECK WILLIAM L ; MESCH WILLIAM G ; CARLIN JOHN A

Designated states: AT AU BE BR CF CG CH CM DE DK FI FR GA GB JP LI LU MR NL NO SE SN SU TD TG

128) Family number: 32313640 (US2005234784A)

Title: CONTAINER INVENTORY MANAGEMENT

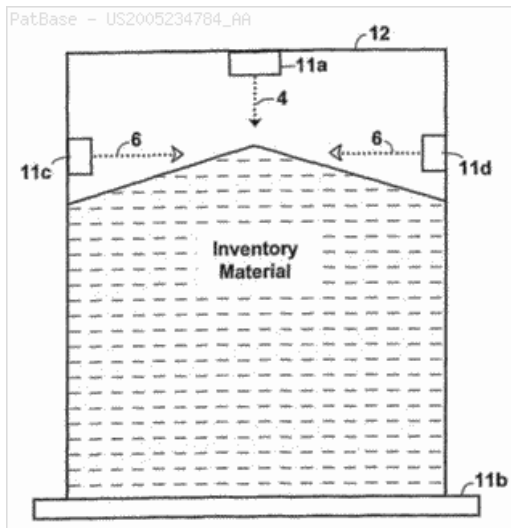
Classifications:

International (IPC 1-7): G06F17/60

CPC: G06Q10/087

European: G06Q10/087 G06Q10/08E

US: 700/236 700/236S 705/28 705/28P

**Family:**

Publication number	Publication date	Application number	Application date
US2005234784 AA	20051020	US20040816147	20040401
WO05098706 A2	20051020	WO2005US10571	20050329
WO05098706 A3	20081120	WO2005US10571	20050329

Priority:

US20040816147 20040401

Probable Assignee: ARCHER DANIELS MIDLAND CO**Assignee(s):** (std): ARCHER DANIELS MIDLAND CO ; LESS JOHN ; LESS JOHN F ; MCCLELLAN RICHARD L**Assignee(s):** ARCHER DANIELS MIDLAND COMPANY**Inventor(s):** (std): MCCLELLAN RICHARD L ; LESS JOHN F ; LESS JOHN**Inventor(s):** MCCLELLAN RICHARD**Agent(s):** KIRKPATRICK AND LOCKHART NICHOLSON GRAHAM 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 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 SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

129) Family number: 57266641 (US2014237800A)

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Title: METHOD AND KIT FOR TREATMENT OF COMPONENTS UTILIZED IN A CRUDE OIL SERVICE OPERATION

Abstract: A method and kit for treatment of a stainless steel or other nickel alloy component utilized in a crude oil service operation including cleaning a surface of the component to remove surface contamination; drying the cleaned surface of the component; applying a coat of Self-Assembled Monolayer of Phosphonate (SAMP) to the cleaned and dried surface of the component to form a treated component; and installing the treated component into a section of a crude oil service operation. The coating reduces paraffin/asphaltene deposition on the component. The kit includes a cleaner wipe impregnated with a cleaning substance for cleaning the component; a nano-coating wipe impregnated with a SAMP for applying a nano-coating of the SAMP to the component; and instructions for treating said component utilizing the cleaner wipe and the nano-coating wipe.

Classifications:

International (IPC 8-9): B23P19/04 B65D25/14 C09D5/00 C09D5/16 C09D7/12 C09D7/40 C09D7/61 C09D7/63 C10G75/00 C10G75/02 C10G75/04 F16L58/02 F16L58/04 G01F23/64 G01F23/76

G01N9/00 (Advanced/Invention);

B82Y15/00 (Advanced/Non-invention)

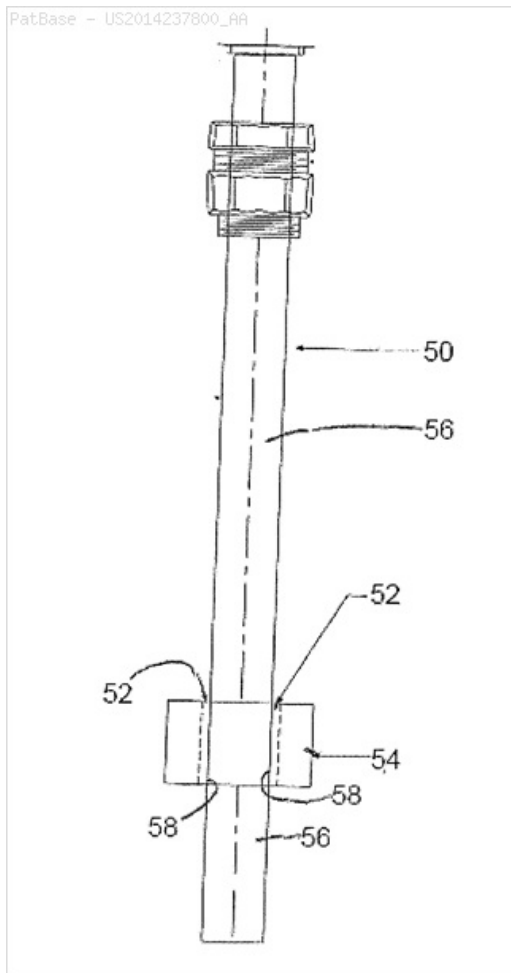
CPC: G01F23/683 C10G2300/4075 B82Y15/00 C10G75/00

C10G75/02 C10G75/04 C09D7/63 G01F23/64 Y10T29/49885

Y10T29/52 B65D25/14 C09D5/00 C09D5/1625 C09D7/40 C09D7/61

F16L58/02 F16L58/04 G01F23/76

US: 1/1 208/309 252/500 29/401.1 29/458 29/650 428/34.1 73/290R 73/305

**Family:**

Publication number	Publication date	Application number	Application date
US2014237800 AA	20140828	US20130099497	20131206
US2016348014 AA	20161201	US20160164842	20160525
US2017029725 AA	20170202	US20160164849	20160525
US2017029726 AA	20170202	US20160164855	20160525
US2017029727 AA	20170202	US20160164859	20160525
US2017029728 AA	20170202	US20160164862	20160525
US2017029729 AA	20170202	US20160164865	20160525
US2017130145 AA	20170511	US20160211224	20160715
US2017130146 AA	20170511	US20160164851	20160525
US2017292081 AA	20171012	US20170633690	20170626
US2017292082 AA	20171012	US20170633704	20170626
US2018142170 AA	20180524	US20160332949	20161024
US2018195014 AA	20180712	US20160332935	20161024
US2019352570 AA	20191121	US20180185338	20181109
US9476754 BB	20161025	US20130099497	20131206
US9688926 BB	20170627	US20160164842	20160525
US10053640 BB	20180821	US20160211224	20160715
US10059892 BB	20180828	US20170633690	20170626
US10150924 BB	20181211	US20170633704	20170626

Priority:

US20130770963P	20130228	US20130099497	20131206	US20160164842	20160525
US20160164855	20160525	US20160164849	20160525	US20160164851	20160525
US20160164859	20160525	US20160164862	20160525	US20160164865	20160525
US20160211224	20160715	US20160332949	20161024	US20160332935	20161024
US20170633690	20170626	US20170633704	20170626	US20180185338	20181109

Probable Assignee: ELECTROLAB INC**Assignee(s):** (std): ACULON INC ; ELECTROLAB INC**Assignee(s):** E9 TREATMENTS INC ; ELECTROLAB CONTROL INC ; ELECTROLAB CONTROLS INC**Inventor(s):** (std): BRASHEAR BRIAN KEITH ; MARZEC ANDREW TIMOTHY ; DREES SEAN ERIC ; HUGHES EDWARD ; HANSON ERIC ; PATIL AJEETA ; MATHIAS TODD ; GALLAGHER CHRISTOPHER**Agent(s):** GILBRETH ROEBUCK PC ; J M MARK; SHIDELER BLYNN L; SHIDELER KRISANNE; BLK LAW GROUP; GILBRETH J M MARK; GILBRETH AND ASSOC PC

Abstract: The present disclosure is directed to a system for determining sensor condition. A sensor signal generated by a sensor to communicate the current condition of an aspect being monitored by the sensor may also be employed to determine the condition of the sensor itself. For example, a device capable of determining if the sensor condition is normal or malfunctioning (e.g., erratic, stuck, etc.) may comprise a monitoring module (MM) to receive the sensor signal. The MM may comprise a sensor condition determination module (SCDM) to determine sensor condition. The SCDM may include a feature extraction engine to determine various characteristics of (e.g., to "extract features" from) the sensor signal and a model to determine sensor condition based on the extracted features. The model may include a support vector machine (SVM) taught to determine sensor condition utilizing sampled sensor signals correlated with annotations of sensor condition.

Classifications:

International (ipc 8-9): G01F17/00 G01F23/00 G01F25/00
G05B19/418 G05B23/02 G08B21/18 G08B23/00
G08B25/08 (Advanced/Invention);

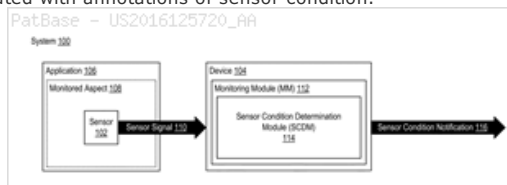
G01C25/00 G08B13/14 H04Q5/22 (Advanced/Non-invention)

International (ipc 1-7): G01F17/00 G01F23/00 G01F25/00

CPC: G08B21/187 G08B25/08 G01F25/0061 G01F25/0076

G01F25/0084

US: 340/514



Family:

Publication number	Publication date	Application number	Application date
BR112017009272 A2	20171219	BR20171109272	20151008
CN106796747 A	20170531	CN201580055595	20151008
EP3215815 A1	20170913	EP20150856412	20151008
EP3215815 A4	20180829	EP20150856412	20151008
JP2017537330 T2	20171214	JP20170543715T	20151008
JP6463847 B2	20190206	JP20170543715T	20151008
KR20170066510 A	20170614	KR20177011700	20151008
US2016125720 AA	20160505	US20140533434	20141105
US9767671 BB	20170919	US20140533434	20141105
WO16073130 A1	20160512	WO2015US54617	20151008

Priority:

US20140533434 20141105 WO2015US54617 20151008

Probable Assignee: INTEL CORP

Assignee(s): (std): INTEL CORP

Inventor(s): (std): CHATTOPADHYAY RITA ; RITA CHATTOPADHYAY

Agent(s): RUMMLER FELIX; ITOH TADASHIGE; ITOH TADAHIKO; OHNUKI SHINSUKE; GROSSMAN TUCKER
PERREAULT AND PFLEGER PLLC; PFLEGER EDMUND P

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

131) Family number: 61452661 (US2016019482A)

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Title: METHOD AND SYSTEM FOR MONITORING A PRODUCTION FACILITY FOR A RENEWABLE FUEL

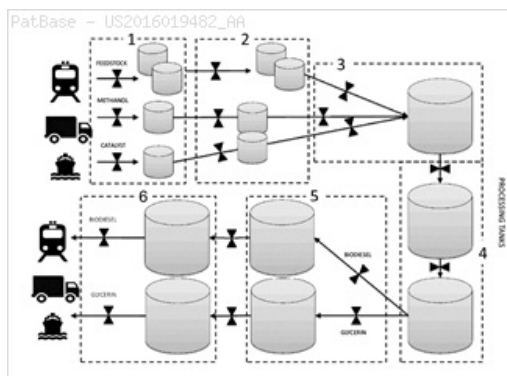
Abstract: A method for monitoring a production facility for a renewable fuel comprises the steps of: identifying certain operating parameters for the production facility; establishing a transform which models the production facility or a functional subsection thereof as a function of at least one operating condition, wherein the transform is based, in part, on the certain operating parameters; monitoring the at least one operating condition of the production facility by collecting data from a sensor; applying the transform to the data collected from the sensor to determine a status of the production facility; and communicating the status of the production facility to an interested party. The method may further comprise the step of determining whether the production rate over an defined time period is consistent with the registration of Renewable Identification Numbers (RINs) for the defined time period.

Classifications:

International (ipc 8-9): G06F17/50 G06Q10/06 G06Q50/10
G06Q50/30 (Advanced/Invention)

CPC: G06Q10/0639

US: 705/7.38



Family:

Publication number	Publication date	Application number	Application date
AU2015289670 AA	20170202	AU20150289670	20150715
CA2954810 AA	20170110	CA20152954810	20150715
US2016019482 AA	20160121	US20150800143	20150715
WO16011158 A1	20160121	WO2015US40580	20150715

Priority:

US20140024852P 20140715 US20150800143 20150715 WO2015US40580 20150715

Probable Assignee: GENSCAPE INTANGIBLE HOLDING INC

Assignee(s): (std): GENSCAPE INTANGIBLE HOLDING INC

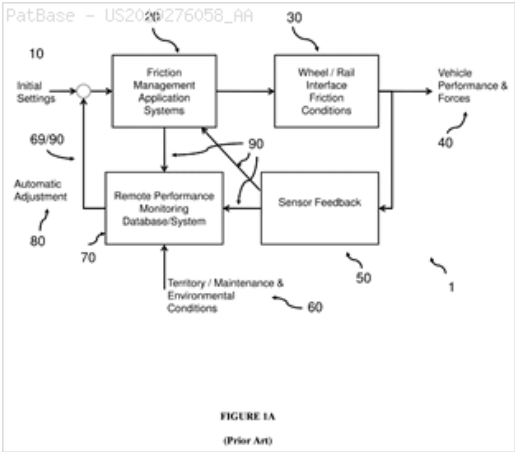
Assignee(s): OLSON SUSAN ; VENHOFF GEORGE J ; ALPHENAAR DEIRDRE ; GANN CREED TAYLOR MORGAN
Inventor(s): (std): ALPHENAAR DEIRDRE ; VENHOFF GEORGE J ; OLSON SUSAN ; GANN CREED TAYLOR MORGAN
Agent(s): FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON; RICHES MCKENZIE AND HERBERT LLP; NAGLE JR DAVID W 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 IR 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 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

132) Family number: 69742670 (US2019276058A) © PatBase

Title: WAYSIDE FRICTION MANAGEMENT SYSTEM

Abstract: A wayside friction management system, and method for monitoring and controlling a wayside friction management system is described. The system comprises one or more wayside device for mounting on a track of a rail system and configured to apply, through a delivery system, a friction control media onto a track. The wayside device further comprises one or more data collection module configured to collect and transmit data to a remote performance unit. The transmitted data is compared to reference values, and adjustments are made to the friction control media dispensing parameters, for example pump time, as required per the comparison. The data at least comprises measurements of the internal voltage of the delivery system. The wayside device may comprise a power source operatively connected to one or more components of the wayside device.

Classifications:
International (IPC 8-9): B61K3/00 B61K9/08 G01R19/25 (Advanced/Invention)
International (IPC 1-7): B61K3/00 B61K9/08
CPC: G01R19/25 B61C15/085 B61K3/00



Family:

Publication number	Publication date	Application number	Application date
AU2017357962 AA	20190613	AU20170357962	20171110
BR112019009650 A2	20190910	BR20191109650	20171110
CA3043260 AA	20190508	CA20173043260	20171110
CN110121454 A	20190813	CN201780070800	20171110
EP3538413 A1	20190918	EP20170870403	20171110
US2019276058 AA	20190912	US20170349590	20171110
WO18085943 A1	20180517	WO2017CA51351	20171110
WO18085943 A9	20180621	WO2017CA51351	20171110

Priority:
US20160421732P 20161114 US20170349590 20171110 WO2017CA51351 20171110

Probable Assignee: L B FOSTER RAIL TECH CANADA LTD
Assignee(s): (std): L B FOSTER RAIL TECH CANADA LTD
Assignee(s): L B FOSTER RAIL TECHNOLOGIES CANADA LTD ; LB FOSTER RAIL TECHNOLOGIES CANADA LTD ; SUCIU ALEX ; WYLIE MARK ; GUEORGUIEV PETAR
Inventor(s): (std): SUCIU ALEX ; WYLIE MARK ; GUEORGUIEV PETAR ; ALEX SUCIU ; MARK WYLIE ; PETAR GUEORGUIEV
Agent(s): CREATEIP; GOWLING WLG CANADA LLP; VON ROHR PATENTANWALTE PARTNERSCHAFT MBB; SECHLEY KONRAD 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 JO JP KE KG KH KM KN KP KR KW 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

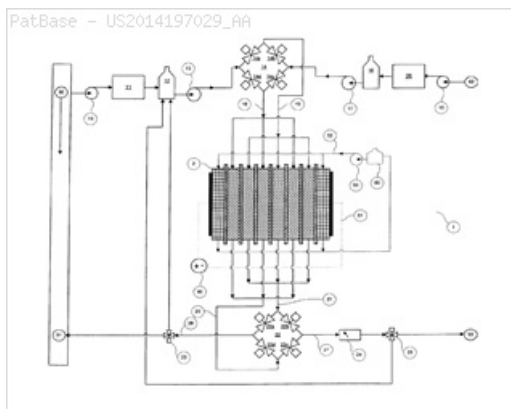
133) Family number: 53202677 (US2014197029A) © PatBase

Title: METHOD, APPARATUS AND SYSTEM FOR DESALINATING SALTWATER

Abstract: An apparatus, method and plant for desalinating saltwater and contaminated saltwater. The apparatus includes a stack and a manifold assembly. The stack includes a product chamber, a first and second concentrate chamber, an anion exchange membrane forming a boundary between the first concentrate chamber and the product chamber and a cation exchange membrane forming a boundary between the second concentrate chamber and the product chamber. The manifold assembly includes product and concentrate manifolding fluidly coupled to the product and concentrate chambers respectively, to convey a saltwater being desalinated to and away from the product chamber, and a concentrate to and away from the concentrate chambers. The stack may include a diluent chamber and adjacent anion or cation exchange membranes between the product chamber, diluent chamber and concentrate chamber to respectively convey anions or cations across multiple chambers.

Classifications:

International (IPC 8-9): B01D61/42 B01D61/44 B01D61/50 B01D61/54 B01D65/02 B01D65/08 B08B3/08 C02F1/42 C02F1/469 C02F9/06 (Advanced/Invention); C02F101/10 C02F103/08 C02F103/10 (Advanced/Non-invention)
CPC: B01D61/44 B01D61/50 B01D65/02 B01D65/08 B01D2313/48 B01D2321/02 B01D2321/16 B01D2321/22 B01D2321/223 B01D2321/40 C02F1/4693 C02F2103/08 C02F2201/4613 C02F2209/005 C02F2209/05 C02F2209/42 Y02A20/131 Y02A20/134 B01D61/54 C02F2101/10 C02F2103/10 C02F2201/46 C02F2303/22
US: 1/1 204/518 204/519 204/522 204/523 204/628 204/633 204/634

**Family:**

Publication number	Publication date	Application number	Application date
AU2012308061 AA	20130321	AU20120308061	20120914
AU2012308061 BB	20150122	AU20120308061	20120914
AU2012308061 BH	20150226	AU20120308061	20120914
CA2812825 AA	20130327	CA20122812825	20120914
CA2812825 C	20140506	CA20122812825	20120914
CA2826364 AA	20130321	CA20122826364	20120914
CA2826364 C	20140610	CA20122826364	20120914
CL2014000597 A1	20150227	CL20140000597	20140312
CL55983 B	20180517	CL20140000597	20140312
EP2755923 A1	20140723	EP20120832028	20120914
EP2755923 A4	20150729	EP20120832028	20120914
US2014197029 AA	20140717	US20140211585	20140314
US2015096891 AA	20150409	US20140566027	20141210
US2015158746 AA	20150611	US20120344844	20120914
US9227857 BB	20160105	US20120344844	20120914
WO13037047 A1	20130321	WO2012CA00843	20120914
WO13037047 A4	20130510	WO2012CA00843	20120914

Priority:

US20110535259P 20110915	US20110538738P 20110923	US20120583310P 20120105
US20120616864P 20120328	US20120621737P 20120409	CA20122812825 20120914
CA20122826364 20120914	US20120344844 20120914	WO2012CA00843 20120914
CA20132812825 20130919	US20140211585 20140314	US20140566027 20141210

Probable Assignee: SALTWORKS TECHNOLOGIES INC

Assignee(s): (std): MAN MALCOLM ; SALTWORKS TECH INC ; SALTWORKS TECHNOLOGIES INC ; SPARROW BENJAMIN ; SPARROW BENJAMIN STUART ; TSIN HENRY ; ZOSHI JOSHUA

Inventor(s): (std): TSIN HENRY ; SPARROW BENJAMIN ; MAN MALCOLM ; ZOSHI JOSHUA ; SPARROW BENJAMIN STUART

Agent(s): PHILLIPS ORMONDE FITZPATRICK; GOWLING LAFLEUR HENDERSON LLP; ESTUDIO SARGENT AND KRAHN; BUMKE JAKOB WENZEL; RYAN A; TROUTMAN SANDERS LLP; BENJAMIN C; LEE BRIAN

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

134) Family number: 28168690 (US2002006799A)

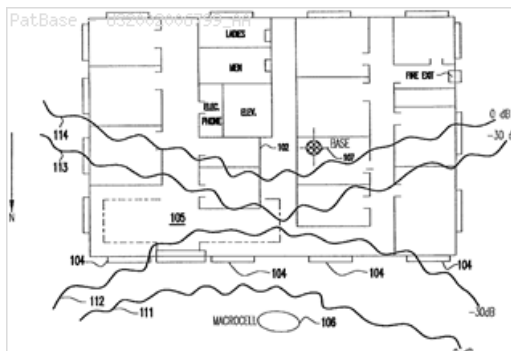
© PatBase

Title: METHOD AND SYSTEM FOR ANALYSIS, DESIGN, AND OPTIMIZATION OF COMMUNICATION NETWORKS

Abstract: A method for engineering management and planning for the design of a wireless communications network in three-dimensions (3-D) combines computerized organization, database fusion, and radio frequency (RF) site-specific planning models. The method enables a designer to keep track of wireless system performance throughout the process of pre-bid design, installation and maintenance of a wireless system. Using a database of information that defines the desired environment, predictions of antenna coverage, system coverage and interference, and other wireless system performance criteria, such as frame error rate and network throughput, can be made. Watch points are created to ensure, in real time, that any modifications to the design of the wireless system do not degrade the performance of the system with respect to the watch point locations.

Classifications:

International (IPC 8-9): G01F23/00 G01F23/36 G06F G06F17/60 G06F3/00 G06F3/048 G09G5/00 G21C17/00 H02G1/00 H04B17/00 H04L12/24 H04Q7/20 H04W16/18 H04W16/20 (Advanced/Invention); G01F23/00 G06F3/00 H04W16/18 H04W16/20 (Advanced/Non-invention); G01F23/00 G01F23/30 G09G5/00 G21C17/00 H04W16/00 (Core/Invention)
International (IPC 1-7): G01F23/00 G01F23/32 G01F23/36 G01F23/72 G06F101/00 G06F15/00 G06F3/00 G08B21/00 H02G1/00 H04B17/00 H04L H04Q7/20
CPC: H04W16/20 G06Q10/0639 H04W16/18 H04W24/08 G01F23/0061 H04L41/12 H04L41/22 H04L41/5003 H04L41/5009 H04L43/0823 H04L43/0852
European: G01F23/00G G06Q10/0639 H04L12/24C2 H04L12/24F3 H04L12/24S1B H04L41/12 H04L41/22 H04L41/50A2 H04W16/18 H04W16/20 H04W216/20 H04W8/04B T04L12/24S1 T04L12/26M3B T04L12/26M3C T04L41/50A T04L43/08E T04L43/08F T04W24/08
US: 116/228 340/623 345/582 455/422 455/422.1 455/423 455/423S 455/424 455/446 455/446P 455/67.1 455/67.11



Family:

Publication number	Publication date	Application number	Application date
AT354785 E	20070315	AT20030000338T	20030109
AU200047116 A1	20001218	AU20000047116	20000511
AU200047116 A5	20001218	AU20000047116	20000511
AU2002230729 AA	20020701	AU20020230729	20011217
AU2002230729 AB	20030724	AU20020230729	20011217
AU200230729 A1	20020701	AU20020030729	20011217
AU200230729 A5	20020701	AU20020030729	20011217
AU2002313386 AA	20030807	AU20020313386	20021204
AU2002313386 BB	20080626	AU20020313386	20021204
BRPI0116693 A	20040817	BR2001PI16693	20011217
CA2430968 AA	20030609	CA20012430968	20011217
CN1311319 C	20070418	CN20018020843	20011217
CN1502073 A	20040602	CN20018020843	20011217
DE60311899 D1	20070405	DE20036011899	20030109
EP1329698 A2	20030723	EP20030000338	20030109
EP1329698 A3	20031126	EP20030000338	20030109
EP1329698 B1	20070221	EP20030000338	20030109
EP1344123 A2	20030917	EP20010990973	20011217
EP1344123 A4	20070425	EP20010990973	20011217
ES2279014 T3	20070816	ES20030000338T	20030109
HK1063668 A1	20050107	HK20040106363	20040825
HK1063668 A3	20050107	HK20040106363	20040825
IN00930DN2003 A	20061229	IN2003DN00930	20030616
JP2004533665 T2	20041104	JP20020552231T	20011217
KR20030065552 A	20030806	KR20037008181	20011217
MXPA03005521 A1	20031006	MX2003PA05521	20011217
US2002006799 AA	20020117	US20010946589	20010906
US2002077787 AA	20020620	US20010015954	20011217
US2003131662 AA	20030717	US20020051954	20020117
US2004229623 AA	20041118	US20040868928	20040617
US2006116853 AA	20060601	US20060329126	20060111
US6317599 BA	20011113	US19990318840	19990526
US6748805 BB	20040615	US20020051954	20020117
US7019753 BB	20060328	US20010015954	20011217
US7035642 BB	20060425	US20010946589	20010906
US7155228 BB	20061226	US20040868928	20040617
US7574323 BB	20090811	US20060329126	20060111
WO0074401 A1	20001207	WO2000US12914	20000511
WO0251053 A2	20020627	WO2001US47704	20011217
WO0251053 A3	20021205	WO2001US47704	20011217

Priority:

US19990318840	19990526	WO2000US12914	20000511	US20000255895	20001218
US20000255895P	20001218	US20010946589	20010906	US20010015954	20011217
WO2001US47704	20011217	US20020051954	20020117	US20040868928	20040617
US20060329126	20060111				

Probable Assignee: EXTREME NETWORKS INC

Assignee(s): (std):	LEASE BENJAMIN N ; RAPPAPORT THEODORE ; RAPPAPORT THEODORE S ; ROBERTSHAW CONTROLS CO ; SKIDMORE ROGER R ; WIRELESS VALLEY COMM ; HENTY BENJAMIN ; SKIDMORE ROGER ; WIRELESS VALLEY COMM INC
Assignee(s):	WIRELESS VALLEY COMMUNICATIONS ; WIRELESS VALLEY COMMUNICATIONS LLC ; SILICON VALLEY BANK ; WIRELESS VALLEY COMMUNICATIONS INC SUITE 700 2404 RUTLAND ; ROBERTSHAW CONTROLS COMPANY ; WIRELESS VALLEY COMMUNICATIONS INC ; INVENSYS SYSTEMS INC ; ROBERT SHAW CONTROLS COMPANY ; ROBERTS SHAW CONTROLS CO ; BANK OF MONTREAL ; DEUTSCHE BANK AG ; DEUTSCHE BANK LONDON AG ; DEUTSCHE BANK LONDON BRANCH AG ; EXTREME NETWORKS INC
Inventor(s): (std):	HENTY BENJAMIN ; SKIDMORE ROGER ; RAPPAPORT THEODORE ; BENJAMIN HENTY ; ROGER SKIDMORE ; THEODORE RAPPAPORT ; LEASE BENJAMIN ; BENJAMIN RAPPAPORT THEODORE SK ; RAPPAPORT THEODORE S ; SKIDMORE ROGER R ; LEASE BENJAMIN N ; HENTY BENJAMIN ; BENJAMIN LEASE
Inventor(s):	ROGER R SKIDMORE ; THEODORE S RAPPAPORT ; BENJAMIN HENTY ; RAPPAPORT THEODORE SKIDMORE ROGER HENTY BENJAMIN
Agent(s):	HALFORDS IP; PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; MACRAE AND CO; CHINA SINDA INTELLECTUAL PROPERTY LTD ROOM 3410 34 F 118 CONNAUGHT ROAD; WHITHAM CURTIS AND CHRISTOFFERSON PC; WHITHAM CURTIS CHRISTOFFERSON AND COOK PC
Designated states:	AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZM ZW

135) Family number: 32360718 (US2005236044A)

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Title: LEAK CONTAINER FOR FUEL DISPENSER

Abstract: A leak collection chamber is provided inside the housing of a fuel dispenser. The leak collection chamber collects any leaked fuel from fuel handling components inside the fuel dispenser so that the fuel does not leak to the environment. The leak collection chamber can be removed from the fuel dispenser for evacuation. The control system inside the fuel

Further, the control system and/or other systems shut down the submersible turbine pump that services the fuel dispenser with fuel in response to catastrophic leak condition.

Designated states: PLIC: NELSON MULLINS RILEY AND SCARBOROUGH LP
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

136) Family number: 68075721 (EP3263150A1)

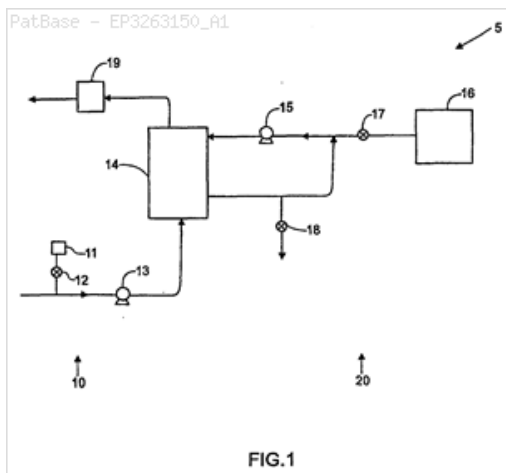
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Title: BLOOD TREATMENT SYSTEMS AND METHODS SYSTEMES ET PROCEDES DE TRAITEMENT DU S

Abstract: There is disclosed herein dialysis systems, including a variety of systems and methods that would make hemodialysis more efficient, easier, and/or more affordable. One aspect of the invention is generally directed to new fluid circuits for fluid flow. In one set of embodiments, a hemodialysis system may include a blood flow path and a dialysate flow path, where the dialysate flow path includes one or more of a balancing circuit, a mixing circuit, and/or a directing circuit. Preparation of dialysate by the preparation circuit, in some instances, may be decoupled from patient dialysis. In some cases, the circuits are defined, at least partially, within one or more cassettes, optionally interconnected with conduits, pumps, or the like. In one embodiment, the fluid circuit and/or the various fluid flow paths may be at least partially isolated, spatially and/or thermally, from electrical components of the hemodialysis system. In some cases, a gas supply may be provided in fluid communication with the dialysate flow path and/or the dialyzer that, when activated, is able to urge dialysate to pass through the dialyzer and urge blood in the blood flow path back to the patient. Such a system may be useful, for example, in certain emergency situations (e.g., a power failure) where it is desirable to return as much blood to the patient as possible. The hemodialysis system may also include, in another aspect of the invention, one or more fluid handling devices, such as pumps, valves, mixers, or the like, which can be actuated using a control fluid, such as air. In some cases, the control fluid may be delivered to the fluid handling devices using an external pump or other device, which may be detachable in certain instances. In one embodiment, one or more of the fluid handling devices may be generally rigid (e.g., having a spheroid shape), optionally with a diaphragm contained within the device, dividing it into first and second compartments.

Classifications:

International (IPC 8-9): A61K33/00 A61M1/10 A61M1/14 A61M1/16 A61M1/26 A61M1/30 A61M1/34 A61M1/36 A61M5/172 G06F1/16 G06F19/00 (Advanced/Invention)
CPC: A61K33/00 A61M1/1006 A61M1/1037 A61M1/1062 A61M1/1087 A61M1/1096 A61M1/16 A61M1/1601 A61M1/1605 A61M1/1613 A61M1/1619 A61M1/1654 A61M1/1656 A61M1/1658 A61M1/166 A61M1/1664 A61M1/1666 A61M1/1668 A61M1/1692 A61M1/34 A61M1/341 A61M1/3609 A61M1/3621 A61M1/3627 A61M2205/12 A61M2205/15 A61M2205/18 A61M2205/3306 A61M2205/3313 A61M2205/3317 A61M2205/3324 A61M2205/3331 A61M2205/3334 A61M2205/3368 A61M2205/3379 A61M2205/50 A61M2205/502 A61M2230/65 G06F19/3481 Y02A50/395 Y02A90/26 A61M1/14 A61M1/267 A61M1/301 A61M1/3413 A61M1/3638 A61M1/3672 A61M5/172 A61M2205/3569 A61M2205/3584 A61M2205/52 A61M1/3603



Family:

Publication number	Publication date	Application number	Application date
EP3263150 A1	20180103	EP20170185281	20120524

Priority:

US20110489544P 20110524 US20110498394P 20110617 EP20120743802 20120524

Probable Assignee: DEKA PRODUCTS LP

Assignee(s): (std): DEKA PRODUCTS LP

Assignee(s): DEKA PRODUCTS PARTNERSHIP LTD

Inventor(s): (std): WILT MICHAEL J ; MERWE DIRK A VAN D ; BALLANTYNE TODD A ; GRANT KEVIN L ; ROSSE JONATHAN P ; FLYNN CATHARINE N ; YEE BRIAN K

Agent(s): HOFFMANN EITL

Designated states: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

137) Family number: 61948721 (US9297686B)

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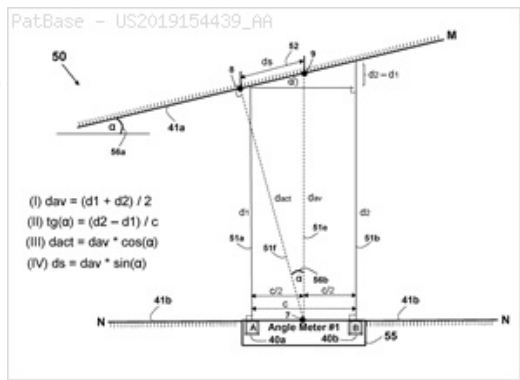
Title: LIQUID LEVEL TRANSDUCER WITH INSERTABLE QUALITY SENSOR

Abstract: An apparatus for determining at least first and second properties of a fluid associated with a tank includes a mounting head adapted for connection to the tank, a housing extending from the mounting head, and an integral chamber formed in the housing. The chamber is in fluid communication between the tank and a down-line device of the vehicle or equipment with which the tank is associated. A sensor module can be installed in the chamber for measuring different parameters of the fluid. Other modules can be interchanged with the sensor module for accomplishing different operations associated with the apparatus and/or fluid.

Classifications:

International (IPC 8-9): G01F23/00 G01F23/26 G01F23/292 (Advanced/Invention); G01F23/22 G01F23/24 G01N27/02 G01N33/28 (Advanced/Non-invention)
CPC: G01F23/292 G01F23/263 G01F23/22 G01F23/24 G01F23/266 G01F23/2922 G01F23/2925 G01N27/028 G01N33/2888 G01F23/26 G01F23/2921 G01F23/296 G01F23/74
US: 1/1

ALVIN R



Family:

Publication number	Publication date	Application number	Application date
US2019154439 AA	20190523	US20170081901	20170222
WO17149526 A2	20170908	WO20171L50220	20170222
WO17149526 A3	20171005	WO20171L50220	20170222

Priority:

US20160303388P 20160304 US20160373388P 20160811 WO20171L50220 20170222
US20170081901 20170222

Probable Assignee: MAY PATENTS LTD

Assignee(s): (std): MAY PATENTS LTD

Inventor(s): (std): BINDER YEHUDA

Agent(s): BINDER SHEM TOV DORIT

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

139) Family number: 59782728 (MX2013010107A)

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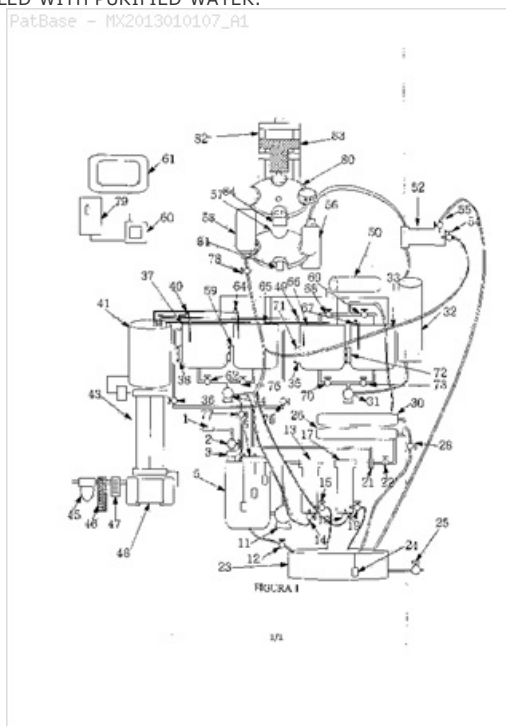
Title: SMART DEVICE AND METHODS FOR RE-USING PET BOTTLES AND SCREW CAP WITH PURIFIED WATER.

Abstract: SMART DEVICE ACCESSED BY A TOUCH SCREEN GRAPHIC INTERFACE, WHICH PURIFIES THE WATER FROM THE PUBLIC WATER NETWORK AND REUSES THE PET CONTAINERS AND THEIR SCREW CAP, ALSO WASHING THE CONTAINERS WITH PURIFIED WATER AND DISINFECTING THEM WITH MORE THAN 1 PPM OF WATER-DILUTED OZONE, ALL SAID ACTIONS BEING PERFORMED IN AN AUTOMATED MANNER BY SYSTEMS AND DEVICES OF HYDRAULIC, MECHATRONIC, ELECTRONIC AND ELECTROMECHANICAL NATURE, EMBEDDED ELECTRONIC SYSTEMS, SOFTWARE, SOURCE CODE, SUSPENDED SOLID FILTERS, ADSORPTION, SOFTENING BY MEMBRANES, IONIC EXCHANGE, ADSORPTION BY MOLECULAR SIEVE, OXIDATION OF ORGANIC AND INORGANIC MATTER, OXYGEN AND OZONE DISSOLVED GASES, DISINFECTION WITHOUT TOXIC CHEMICALS. THE EMPTY PET BOTTLE OF PURIFIED WATER AND ITS SCREW CAP IS RECEIVED IN THE DEVICE BY THE USER, THE DEVICE PERFORMING THE WASHING AND DISINFECTION PROCESSES OF BOTH ELEMENTS, WHILE THE WATER FROM THE PUBLIC NETWORK FOR FILLING THE CONTAINER IS PURIFIED, THE DEVICE THEREFORE DELIVERING THE USER IT S OWN PET CONTAINER CLOSED WITH ITS THREAD CAP AND FILLED WITH PURIFIED WATER.

Classifications:

International (IPC 8-9): C02F1/78 E02B15/04 (Advanced/Invention)

PatBase - MX2013010107_A1

**Family:**

Publication number	Publication date	Application number	Application date
MX2013010107 A1	20150303	MX20130010107	20130903

Priority:

MX20130010107 20130903

Probable Assignee: ROLDAN ANDRE GAONA

Assignee(s): (std): ROLDAN ANDRE GAONA

Assignee(s): ANDRE GAONA ROLDAN

Inventor(s): (std): ROLDAN ANDRE GAONA

Inventor(s): ANDRE GAONA ROLDAN

140) Family number: 49154742 (US7972517B)

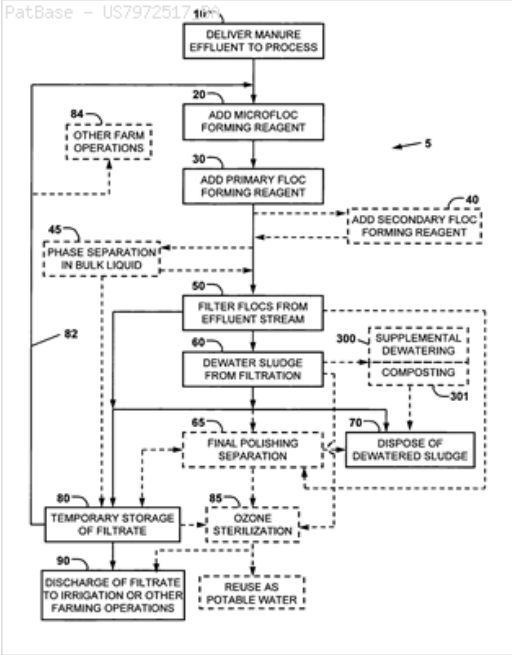
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Title: METHOD FOR TREATMENT OF AGRICULTURAL WASTE

Abstract: A method for treating a portion of liquid waste manure comprising adding a first reagent to the portion in a first vessel to cause the formation of waste manure flocs of a first size; adding a second reagent to liquid portion to cause growth of the waste manure flocs of the first size into separable waste manure flocs; adding optionally a third reagent to the portion of liquid containing waste manure flocs to cause further growth of the separable waste manure flocs; separating the liquid volume containing separable waste manure flocs into a waste manure sludge and a first filtrate; and dewatering the waste manure sludge in a filtration system comprising a first filter including a first housing, a first displaceable filter medium, and a first displacement actuator disposed between the first housing and the first displaceable filter medium.

Classifications:

International (IPC 8-9): B01D25/12 C02F1/56 C02F11/14 (Advanced/Invention); B30B5/02 B30B9/02 C02F11/04 (Advanced/Non-invention)
CPC: Y10S210/903 Y10S210/906 B01D25/124 B30B9/02 B30B5/02 C02F1/5236 C02F1/56 C02F11/04 C02F11/121 C02F11/14 C02F2103/20
European: C02F11/14 M02F1/52F M02F1/56 M02F103/20 M02F11/04 M02F11/12C
US: 210/350 210/710 210/727 210/780 210/903 210/906 71/21



Family:

Publication number	Publication date	Application number	Application date
US7972517 BA	20110705	US20080035492	20080222
US9010544 BA	20150421	US20110116175	20110526

Priority:

US20070891505P 20070224 US20080035492 20080222 US20110116175 20110526

Probable Assignee: INNOVATIVE ENVIRONMENTAL PRODUCTS INC

Assignee(s): (std): INNOVATIVE ENVIRONMENTAL PRODUCTS INC ; MILLER FRANCIS C

Inventor(s): (std): MILLER FRANCIS C

Agent(s): PATENT INNOVATIONS LLC; JOHN M

141) Family number: 51558747 (US2012185129A)

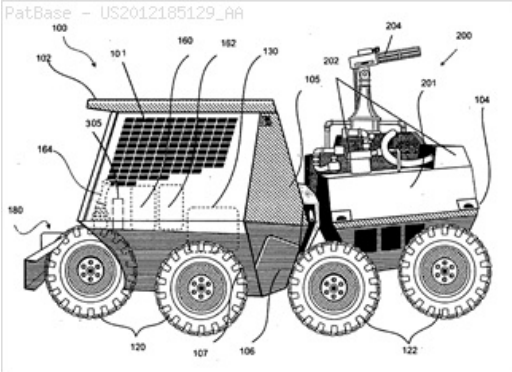
© PatBase

Title: ALL-TERRAIN HOSTILE ENVIRONMENT VEHICLE

Abstract: A first chassis and second chassis hingedly connects to the first chassis, wherein each of the first and second chassis includes a plurality of wheels which are operably connected to a hydraulic motor. The hydraulic motor operably connects to an engine which is operably connected to the first chassis. A transmission pump operably interconnects the hydraulic motor and the engine and a flow divider operably interconnects the transmission pump and the hydraulic motor to regulate hydraulic flow to the hydraulic motor.

Classifications:

International (IPC 8-9): B60K17/356 B60K6/08 B62D53/00 B62D61/10 G05D7/00 G06F19/00 (Advanced/Invention); A62C27/00 B60F3/00 (Advanced/Non-invention)
CPC: B60Y2200/44 B62D53/005 B62D59/00 F16H61/456 F41H7/048 A62C27/00 B60F3/0007 B62D61/10
European: B62D53/00B B62D59/00 F16H61/456
US: 180/24.07 180/24.070S 180/24.08 180/242 180/69.6 180/69.600S 280/460.1 701/36 701/36P 701/69 701/69S



Family:

Publication number	Publication date	Application number	Application date
US2012185129 AA	20120719	US20080332647	20081211
US8464816 BB	20130618	US20080332647	20081211

Priority:

US20080332647 20081211

Probable Assignee: CARSAF LLC

Assignee(s): (std): CARRIER BRIAN E ; CARSAF LLC
Inventor(s): (std): CARRIER BRIAN E
Agent(s): R WILLIAM

142) Family number: 72820765 (IN201721023533A)

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Title: LIQUID STORAGE TANK LEVEL INDICATOR

Abstract: This is a level indicator with indirect type design uses volumetric air displacement and hydrostatic pressure of liquid to display level for pressurized or non pressurized tanks or vessels. The installation is best suitable for top mounting on tank with local or remote display. This works without electricity, without holes /nozzles at liquid levels and displays level at any convenient position near to tank.

Classifications:

International (IPC 8-9): G01F23/00 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
IN201721023533 A	20190111	IN201721023533	20170704

Priority:

IN201721023533 20170704

Probable Assignee: MAKWANA HASMUKH T

Assignee(s): MAKWANA HASMUKH T

Inventor(s): MAKWANA HASMUKH T

143) Family number: 42982775 (US2009078652A)

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Title: SYSTEM AND METHOD FOR PURIFYING AN AQUEOUS STREAM

Abstract: A system and method are disclosed for purifying a waste fluid stream. The system includes a recirculation pump having an inlet for a recirculation stream and an outlet to expel a pressurized stream. The system includes a compressor having an inlet for an evaporation stream and an outlet for a pressurized evaporation stream. A primary heat exchanger has inlets for the pressurized stream and the pressurized evaporation stream, an internal surface area for heat transfer from the evaporation stream to the pressurized stream, and outlets for a cooled product stream and a heated pressurized stream. The heated pressurized stream is formed by heating the pressurized stream and the cooled product stream is formed by cooling the evaporation stream. The system includes an evaporation unit having an inlet for the heated pressurized stream and outlets for an evaporation stream and the recycled liquid bottoms stream.

Classifications:

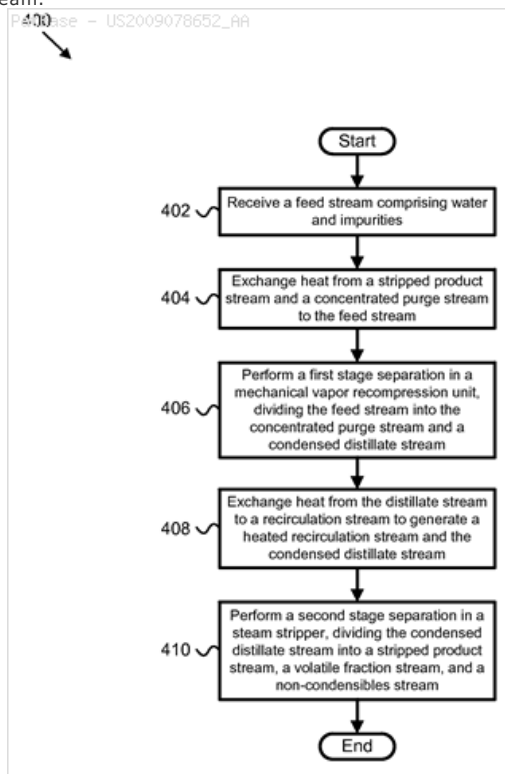
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B01D1/00 B01D3/00 B01D35/14 B01D5/00 C02F1/00 C02F1/02 C02F1/04 G05B23/00 (Core/Invention)

CPC: Y02P70/34 B01D19/0005 B01D1/16 C02F1/048 C02F2103/365 C02F2209/02 C02F2209/03 C02F2209/40 C02F2209/42

European: B01D1/16 B01D19/00B C02F1/04Z M02F103/36P M02F209/02 M02F209/03 M02F209/40 M02F209/42

US: 165/108 202/161 202/182 202/185.1 202/197 203/28 203/39 208/187 210/103 210/134 210/149 210/180 210/182 210/195.1 210/259 210/739 210/741 210/742 210/742S 210/743 210/744 210/744S 210/758 210/774 210/805 210/806 210/85 210/85S 210/86 210/86S 210/87 210/87S 210/90 210/90S 210/96.1 700/271 700/271P 95/1 95/14 95/158 95/166 95/168 95/169 95/179 95/186 95/204 95/23 95/24 95/243 95/245 95/251 95/258 95/259 95/39 95/8 96/156 96/173 96/181 96/218 96/242 96/243 96/244 96/251 96/252 96/420 96/422



Family:

Publication number	Publication date	Application number	Application date
CA2698049 AA	20090305	CA20082698049	20080827
CA2698049 C	20141028	CA20082698049	20080827
CA2698072 AA	20090305	CA20082698072	20080827
US2009078652 AA	20090326	US20080199777	20080827
US2009082906 AA	20090326	US20080199779	20080827
US7837768 BB	20101123	US20080199777	20080827
US7842121 BB	20101130	US20080199779	20080827

WO09029683 A1	20090305	WO2008US74516	20080827
WO09029685 A1	20090305	WO2008US74518	20080827

Priority:

US20070968284P 20070827 US20070968285P 20070827 US20080199777 20080827
US20080199779 20080827 WO2008US74518 20080827 WO2008US74516 20080827

Probable Assignee: 212 HOLDINGS LLC

Assignee(s): (std): GEN ELECTRIC CAPITAL CORP ; GEN ELECTRIC CAPITAL CORP A AS ; SCHLEIFFARTH JAMES W ; ROHWER BRADFORD M ; MERRILL LESLIE D ; SANDERSON LARRY D ; H2OIL INC ; H2OIL RECOVERY SERVICES INC

Assignee(s): GENERAL ELECTRIC CAPITAL C O GE COMMERCIAL FINANCE ; GENERAL ELECTRIC CAPITAL ADMINISTRATIVE AGENT CORP AS ; H2OIL RECOVERY SERVICES INC204 - 380 EAST MAIN STREETBUILDING BMDWAYUT84049US ; GENERAL ELECTRIC CAPITAL C O GE COMMERCIAL FINANCE CORP ; 212 HOLDINGS LLC ; 212 RESOURCES LLC ; GENERAL ELECTRIC CAPITAL CORP ; GENERAL ELECTRIC CAPITAL ADMINISTRATIVE AGENT AS CORP ; GENERAL ELECTRIC CAPITAL ADMINISTRATIVE AGENT C AS

Inventor(s): (std): MERRILL LESLIE D ; SANDERSON LARRY D ; ROHWER BRADFORD M ; SCHLEIFFARTH JAMES W

Inventor(s): SANDERSON LARRY DUS ; ROHWER BRADFORD MUS ; MERRILL LESLIE DUS ; SCHLEIFFARTH JAMES WUS

Agent(s): BORDEN LADNER GERVAIS LLP; KUNZLER AND MCKENZIE; KUNZLER NEEDHAM MASSEY AND THORPE; KUNZLER BRIAN C 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 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 ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

144) Family number: 54901777 (IE20120128A)

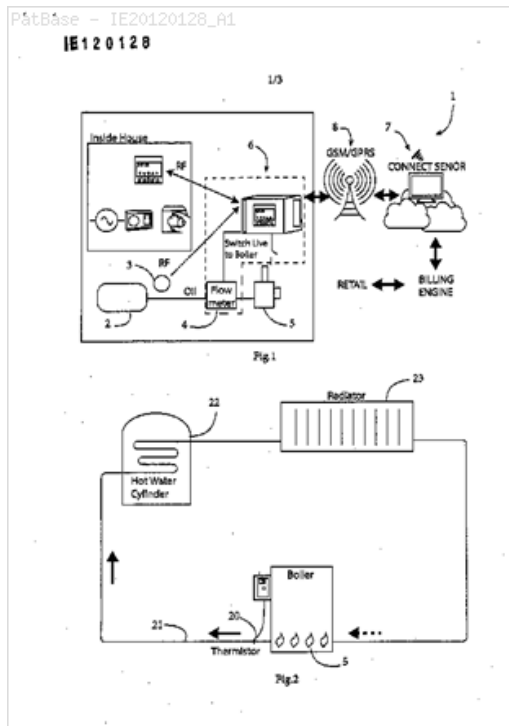
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Title: AN OIL FUEL SUPPLY MANAGEMENT SYSTEM

Abstract: A fuel supply system (1) has a tank (2), a boiler (5), and a fuel supply pipe from the tank to the boiler. A flow meter (4) is mounted in the pipe from the tank to the boiler. a controller (6) has a processor, a communication interface to the flow meter, and a user interface. A server (7) receives data uploads from the controller (6); manages uses accounts according to payments made and fuel usage data, and downloads commands to the controller. the controller monitors fuel usage according to the flow meter (4), uploads fuel usage data to the server (7), and controls the boiler according to server commands. There is also a fuel sensor (3)for the tank (2), and the controller of the server receive fuel level data from the tank sensor (3), and checks that fuel level drop is consistent with the fuel usage data. Also, they can generate an alert if fuel level drop exceeds a threshold rate.

Classifications:

International (IPC 8-9): B65D83/44 (Advanced/Invention);
F24H1/00 G01F15/00 G01F3/00 (Core/Invention)



Family:

Publication number	Publication date	Application number	Application date
IE20120128 A1	20130925	IE20120000128	20120312

Priority:

IE20120000128 20120312

Probable Assignee: KINGSPAN HOLDINGS IRL LTD

Assignee(s): (std): KINGSPAN HOLDINGS IRL LTD

Inventor(s): (std): FINNEGAN BARRY

Inventor(s): BARRY FINNEGAN

Title: PORTABLE OILFIELD FLUID MANAGEMENT SYSTEM AND METHOD

Abstract: A portable oilfield fluid management system and method provides display information concerning fluid status and includes a plurality of local sensing units which can be selectively attached in any order to a plurality of different storage tanks having different sizes, shapes and capacities located in different oilfields. A plurality of cable segments each of equal predetermined length are used to interconnect the attached local sensing units to each other in a serial connection and a central touch activated monitor located away from the local sensing units is interconnected to the first attached local sensing unit by means of an elongated cable. Because the local storage units which function to measure the level of fluid in the storage tanks can be attached to the storage tanks in any order, the central touch-activated monitor autoconfigures the local sensing units by assigning binary addresses to each attached local sensing unit. The first attached local sensing unit when it receives its binary address from the central touch activated monitor, stores that binary address in its random access memory and interconnects an upstream data transmission path to enable the central monitor to assign the next binary address to the next attached local sensing unit. This process is repeated for each attached and interconnected local sensing unit until all local sensing units have a binary address. The system autoconfigures the local sensing units for each different oilfield location.

Classifications:

International (IPC 8-9): E21B43/12 G06F17/40 (Advanced/Invention);
E21B43/12 G06F17/40 (Core/Invention)

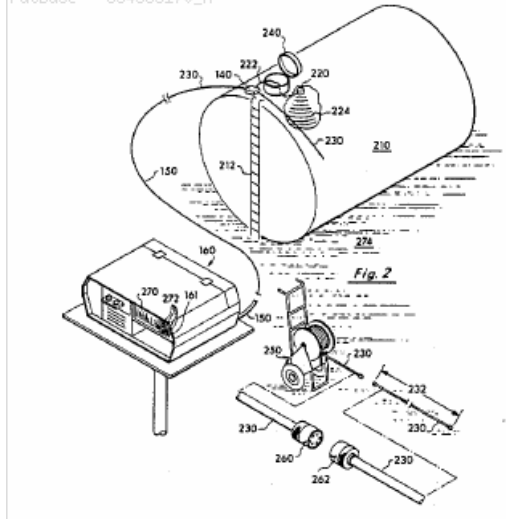
International (IPC 1-7): G06F15/20 G06F3/05

CPC: E21B43/12

European: E21B43/12 G06F17/40

US: 340/6.1 340/612 340/825.36 340/870.16 364/420 364/509
700/83 700/9 702/188 702/55

PatBase - US4583170_A

**Family:**

Publication number	Publication date	Application number	Application date
US4583170 A	19860415	US19830558841	19831206

Priority:

US19830554440 19831122 US19830558841 19831206

Probable Assignee: CYPHER SYSTEMS INC

Assignee(s): (std): CYPHER SYSTEMS INC

Assignee(s): CYPHER SYSTEMS ; CYPHER SYSTEMS A PARTNERSHIP OF CO

Inventor(s): (std): CARLIN JOHN A ; MESCH WILLIAM G ; SKOVRINSKI JOSEPH R ; HENTHORN J BART ; FELDMAN DAVID G ; BEARD STEVEN A

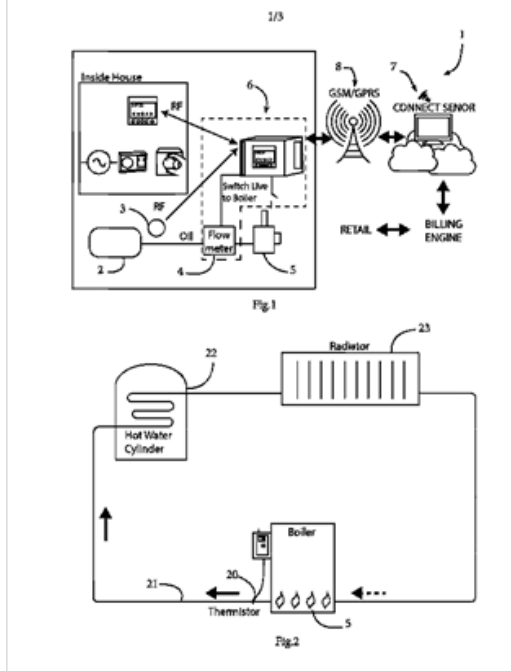
Title: AN OIL FUEL SUPPLY MANAGEMENT SYSTEM

Abstract: A fuel supply system 1 has a tank 2, a boiler 5, and a fuel supply pipe from the tank to the boiler with an installed flow meter 4. The system further includes a controller 6 which has an associated processor, a communication interface to the flow meter, means for uploading/downloading data to/from a server 7 and a user interface (30 fig 5). In use, the server receives data uploads from the controller and manages user accounts according to payments made and fuel usage data, and downloads commands to the controller. The controller monitors fuel usage according to the flow meter, uploads fuel usage data to the server and controls the boiler according to server download commands. The system may also include a tank fuel level sensor 3, and the controller or the server may receive fuel level data from the sensor. This allows comparison of fuel level and fuel usage data, for example during boiler operation and/or fuel delivery, from which alert/alarm conditions may be triggered.

Classifications:

International (IPC 8-9): F23K5/02 G06Q50/06 (Advanced/Invention)

CPC: F23K5/06 F23K5/16 F23K2301/206 F23N5/242 F23N2005/185
F23N2223/38 F23N2237/02 F23N2237/04 F23K5/02 G06Q50/06

**Family:**

Publication number	Publication date	Application number	Application date
GB201204260 A0	20120425	GB20120004260	20120312
GB2500183 A1	20130918	GB20120004260	20120312

Priority:

GB20120004260 20120312

Probable Assignee:

KINGSPAN HOLDINGS IRL LTD

Assignee(s): (std):

KINGSPAN HOLDINGS IRL LTD

Assignee(s):

KINGSPAN HOLDINGS IRL LIMITED

Inventor(s): (std):

FINNEGAN BARRY

Inventor(s):

BARRY FINNEGAN

147) Family number: 63038819 (US2016221816A)

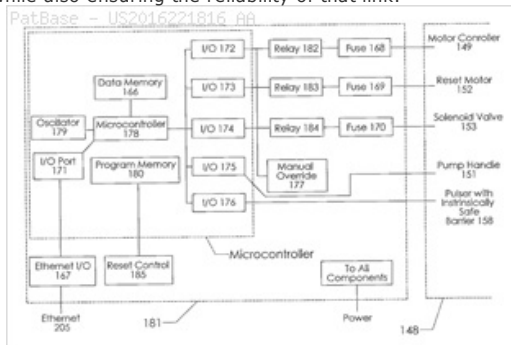
© PatBase

Title: VEHICLE DATA AND FUEL MANAGEMENT SYSTEM

Abstract: A system and method for automating dispensing operations such as vehicle fueling operations. The system properly matches a dispenser to a port on a specific container, thereby insuring that the proper substance is loaded into the proper container. A passive or active RF/ID module is attached to the dispenser assembly. A fuel port antenna located on the container's port is used to communicate with this RF/ID module. The fuel port antenna's driving circuitry is able to step through multiple frequencies within a defined frequency band. A suitable transmission frequency is determined and stored in memory. A container-specific frequency is thereby determined and stored for future use. The use of this optimized frequency serves the dual purposes of maintaining only a short-range R/F link while also ensuring the reliability of that link.

Classifications:**International (IPC 8-9):** B67D7/04 G05B15/02

G06K7/10 (Advanced/Invention)

CPC: B67D7/348 G05B15/02**US:** 1/1 700/231**Family:**

Publication number	Publication date	Application number	Application date
US2016221816 AA	20160804	US20150612379	20150203

Priority:

US20150612379 20150203

Probable Assignee: BUTSCH MARK**Assignee(s):** (std): BUTSCH MARK ; FUSON JAMES ; LEITH CHRIS ; POLLOCK STEPHEN F**Inventor(s):** (std): LEITH CHRIS ; POLLOCK STEPHEN F ; BUTSCH MARK ; FUSON JAMES

Title: ALL-TERRAIN HOSTILE ENVIRONMENT VEHICLE

Abstract: An all-terrain vehicle equipped for quick exchange of its functional components and aid units includes a frame having a mounting platform which includes a plurality of spatially positioned open surfaces, a functional unit having a quick release connector adapted to connect to the functional unit to a first part of the mounting platform, and wherein the frame is made of a polymer-matrix and metal-matrix composite.

Classifications:

International (IPC 8-9): B62D11/02 (Advanced/Invention);

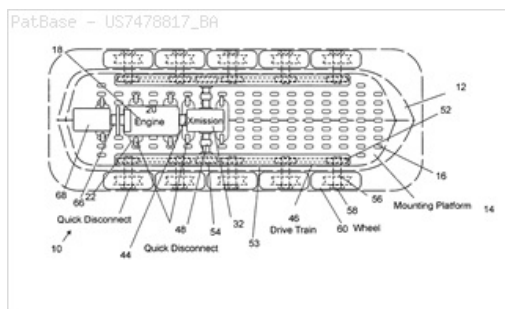
B60F3/00 (Advanced/Non-invention)

CPC: B60F3/003 B60F2301/04 B62D9/00 B62D11/08 B63C13/00

F41H7/02 F41H7/03

European: L60F301/04

US: 169/52 180/6.2 180/6.48 280/6.2 280/6.48 440/12.5



Family:

Publication number	Publication date	Application number	Application date
US7478817 BA	20090120	US20050161750	20050815

Priority:

US20040601451P 20040813 US20050161750 20050815

Probable Assignee: CARSAF LLC

Assignee(s): (std): CARSAF LLC

Inventor(s): (std): CARRIER BRIAN

Agent(s): GRAHAM R WILLIAM; R WILLIAM

Title: SLURRY FEED SYSTEM AND METHOD

Abstract: The invention can provide or facilitate systems and methods for feeding a slurry and, in particular, to systems and methods for treating wastewater streams with a slurry having periodic flushing of conduits.

Classifications:

International (IPC 8-9): B08B3/00 B08B9/032 E03B1/00

E03B5/00 (Advanced/Invention)

CPC: C02F1/008 C02F1/66 C02F1/685 C02F2101/101 C02F2209/02

C02F2209/03 C02F2209/06 C02F2209/09 C02F2209/40 C02F2303/02

B08B9/032 B08B9/0325 Y10T137/0318 Y10T137/0324 Y10T137/0424

Y10T137/4252 Y10T137/4259 Y10T137/8593 Y10T137/85978

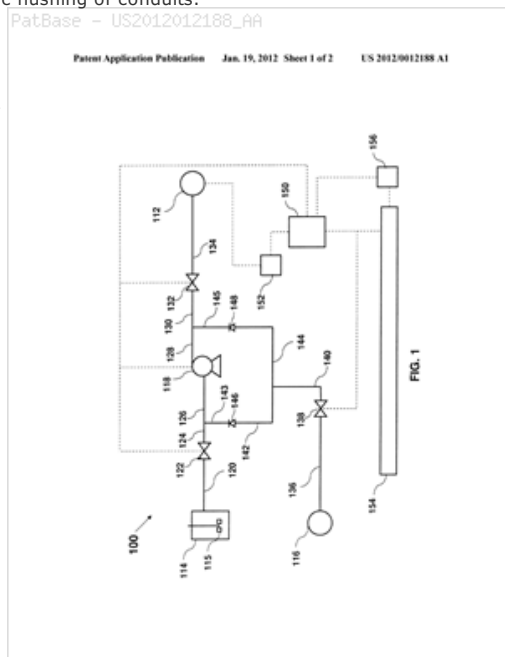
Y10T137/85986 Y10T137/877

European: B08B9/032B6

US: 137/1 137/15.05 137/15.050S 137/1S 137/2 137/239 137/240

137/2P 137/561.00RS 137/561R 137/565.01 137/565.010S

137/565.11 137/861 210/141 210/198.1 210/209



Family:

Publication number	Publication date	Application number	Application date
US2012012188 AA	20120119	US20100835322	20100713
US2013220431 AA	20130829	US20130862088	20130412
US8430112 BB	20130430	US20100835322	20100713

Priority:

US20100835322 20100713 US20130862088 20130412

Probable Assignee: EVOQUA WATER TECHNOLOGIES LLC

Assignee(s): (std): HARSHMAN JAMES PAUL ; MATHEIS TIMOTHY FRANK ; MURPHY MICHAEL SUMNER ; SIEMENS IND INC ; SIEMENS INDUSTRY INC

Assignee(s): SIEMENS WATER TECHNOLOGIES LLC ; CREDIT SUISSE CAYMAN ISLANDS BRANCH COLLATERAL AGENT AG AS ; EVOQUA WATER TECHNOLOGIES LLC ; SIEMENS WATER TECHNOLOGIES CORP ; SIEMENS WATER TECHNOLOGIES HOLDING CORP

150) Family number: 28332838 (US2003039173A)

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Title: METHODS FOR REDUCING RINGING OF ULTRASONIC TRANSDUCERS

Abstract: Methods for reducing ringing of dual-function ultrasonic air-coupled transducers in which at least one electrical passive circuit is applied to the transducer. The circuit may be either a linear circuit or a non-linear circuit. Different circuits can be applied to the transducer when the transducer is in a transmission mode than when the transducer is in a reception mode.

Classifications:

International (IPC 8-9): B06B1/02 B60C23/00 B60C23/04 B60H1/00 B60H1/32 B60J10/00 B60K28/00 B60K28/02 B60N2/00 B60N2/015 B60N2/02 B60N2/06 B60N2/28 B60N2/427 B60N2/48 B60N2/66 B60Q1/00 B60Q1/14 B60R1/00 B60R16/02 B60R16/037 B60R21/00 B60R21/01 B60R21/013 B60R21/015 B60R21/02 B60R21/04 B60R21/16 B60R21/18 B60R21/32 B60R22/00 B60R22/20 E05F15/00 F24F11/00 F24F7/00 G01C3/08 G01F23/00 G01F23/20 G01F23/296 G01G19/10 G01G19/414 G01J1/34 G01M17/00 G01S15/04 G01S15/42 G01S15/87 G01S15/88 G01S17/88 G01S7/41 G01S7/48 G01S7/539 G06F15/00 G06F17/00 G06F19/00 G06F7/00 G06F7/70 G06G7/00 G06G7/76 G06K7/00 G06K9/00 G06K9/62 G08B1/08 G08B13/14 G08B29/00 G08B29/18 G08C19/00 G09G5/00 H01J40/14 H04B1/00 H04B1/02 H04B3/00 H04N7/18 H04Q5/22 H04R3/00 H04R5/02 (Advanced/Invention);

B60R1/12 B60R21/00 B60R21/013 B60R21/0132 B60R21/0134

B60R21/015 B60R21/20 B60R21/203 B60R21/215 B60R21/231

B60R21/26 B60R21/276 B60R22/28 B60R22/46 B60R22/48

G01S13/04 G01S15/04 G01S15/06 G01S17/89 G06E1/00 G06F15/18 G06K9/36 (Advanced/Non-invention);

B06B1/02 B60C23/00 B60C23/02 B60H1/00 B60J10/00 B60K28/00 B60N2/00 B60N2/005 B60N2/02 B60N2/06 B60N2/26

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G09G5/00 H01J40/00 H04B1/00 H04N7/18 (Core/Invention);

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B60R22/46 G01S13/00 G06E1/00 G06F15/18 G06K9/36 (Core/Non-invention)

International (IPC 1-7): G01S15/00 H04B1/02

CPC: B60C23/0408 B60C23/007 B60C23/008 G08B13/2462 G08B13/248 G08B21/0227 G08B21/023 G06Q20/203 H04R5/02

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250/332 280/728.1 280/728.100S 280/731 280/734 280/734P 280/735 280/735P 280/735S 280/751 280/751P 296/68.1

297/216.12 297/216.14 297/217.2 297/217.200P 307/10.1 307/91 340/10.1 340/12.51 340/13.24 340/13.240P

340/13.26 340/426.19 340/436 340/438 340/438P 340/442 340/442P 340/443 340/446S 340/447 340/447P 340/447S

340/457.1 340/457.100P 340/5.64 340/505S 340/539.1 340/539.100S 340/539.13 340/539.130P 340/539.14 340/540

340/568.1 340/568.100S 340/572.7 340/572.700P 340/667 340/667S 340/691.6 340/691.600S 340/8.1 340/8.100S

340/825.36 340/825.49 340/825.72 340/991 341/111 342/457 345/156 345/156P 345/7 345/8 345/8S 356/10 356/44S

356/5.03 356/5.09 356/614 367/138 367/138P 367/903 381/302 381/303 381/304 381/77 381/86 381/86P 381/92 382/100

382/100P 382/103 382/104 382/104P 382/104S 382/156 382/156S 382/295 385/14 385/2 385/33 385/8 62/244 701/1

701/29 701/29.2 701/29.200S 701/29.6 701/29P 701/31.4 701/31.400P 701/32.7 701/34 701/34.4 701/34S 701/36 701/39

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Family:

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Assignee(s): (std): AUTOMOTIVE TECH INT ; DUVALL WILBUR E ; JOHNSON WENDELL C ; BREED DAVID S ; INTELLIGENT TECH INT INC

Assignee(s): YURCHENKO OLEKSANDR V ; AMERICAN VEHICULAR SCIENCES LLC ; INTELLIGENT TECHNOLOGIES INT INC ; INTELLIGENT TECHNOLOGIES INTERNATIONAL INC ; INTELLIGENT TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT ; AUTOMOTIVE TECHNOLOGIES INT INC ; AUTOMOTIVE TECHNOLOGIES INTERNATIONAL INC ; AUTOMOTIVE TECHNOLOGIES INTIONAL

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