

Nicolas Vargas

Search history

Search PN=(US2012029937) (Results 1)

1:

2: [SP]: 1.-54. (canceled) 55. a dialysis device receiving, via a prescriber interface, data representing a set of therapeutic objectives and a treatment plan, which comprises a treatment schedule for a number of consecutive treatment sessions and a set of settings of a treatment session, the dialysis device comprising: a patient interface, and a computer system receiving input data, indicative of a modified setting, via the patient interface, wherein the computer system: modifies at least one of the settings of the set of settings based on the input data received via the patient interface, and re-evaluates the treatment plan as a function of the at least one modified setting to generate a suggestion including at least one treatment option comprising a suggested set of settings of a treatment session to achieve said set of therapeutic objectives. 56. the dialysis device according to claim 55, wherein the computer system further causes the dialysis device to measure clinical or therapeutic parameters during a treatment session using the dialysis system, wherein the suggestion of the at least one treatment option generated during the re-evaluation step is based on a function of the measured parameters. 57. the dialysis device according to claim 56, wherein the treatment session includes at least one preceding treatment session. 58. the dialysis device according to claim 56 or 57, wherein the suggestion of the at least one treatment option generated during the re-evaluation step is generated based on the at least one modified setting and the at least one measured parameter. 59. the dialysis device according to claim 56, wherein the suggestion of the at least one treatment option generated during the re-evaluation step is generated based on a function of the measured parameters during an on-going treatment session and of the measured parameters of at least one preceding treatment session. 60. the dialysis device according to claim 55, wherein the suggestion of the at least one treatment option generated during the re-evaluation step is presented on the patient interface, and the computer system receives a selection inputted via the patient interface of one of the treatment options, whereby the computer system in response to the selection adjusts the settings as a consequence of the selection to carry out the treatment session in accordance with the selected treatment option. 61. the dialysis device according to claim 55, wherein the computer system receives data via the prescriber interface of limits of variation of the at least one setting and the computer system limits the modification of each setting to be within the limits. 62. the dialysis device according to claim 56, wherein the received data via the prescriber interface includes limits of variation of the measured clinical or therapeutic parameters. 63. the dialysis device according to claim 62, comprising an alert configured to issue an alert upon a deviation above or below a predefined limit of variation. 64. the dialysis device according to claim 55, wherein the therapeutic objective is set to be reached over a period of a number of treatment sessions, and wherein the re-evaluation step is configured to take into account a treatment history and several future treatment sessions when suggesting said at least one treatment option, to secure that the treatment objective is reached while allowing flexibility in the individual treatment sessions. 65. the dialysis device according to claim 55, wherein said at least one of said settings is modified via the patient interface during an on-going treatment session, and wherein the re-evaluation step, as a consequence of the modification, generates a suggestion of at least one treatment option at one or more consecutive treatment sessions. 66. the dialysis device according to claim 55, which comprises a hemodialysis machine. 67. a computer program product comprising computer code which, when executed on a data-processing system, is adapted to carry out a method of operating a dialysis device, said dialysis device comprising a computer system and a patient interface, the method comprising: receiving a set of therapeutic objectives and a treatment plan, which comprises a treatment schedule for a number of consecutive treatment sessions and a set of settings of a treatment session, wherein the dialysis device is adapted to execute the treatment plan receiving via a patient interface a modification to at least one of the settings of the set of settings of the treatment session re-evaluating the treatment plan based on the received modification of at least one of said settings, wherein the re-evaluation includes generation of a suggestion of at least one treatment option determined based on the modification of at least one setting, the set of therapeutic objectives and the treatment plan, wherein the at least one treatment option comprising a suggested set of settings of a treatment session to achieve said set of therapeutic objectives. 68. the computer program product according to claim 67, wherein the method further comprises measuring clinical or therapeutic parameters during a treatment session and the re-evaluation step determines the at least one treatment option as a function of the measured parameters. 69. the computer program product according to claim 68, wherein the clinical or therapeutic parameters are measured during at least one preceding treatment session. 70. the computer program product according to claim 68 or 69, wherein the at least one treatment option suggested in the re-evaluation step is a function of the at least one modified setting and the measured parameters. 71. the computer program product according to claim 68, wherein the re-evaluation step determines the at least one treatment option as a function of the measured parameters of an on-going treatment session and of at least one preceding treatment session. 72. the computer program product according to claim 67, wherein the re-evaluation step suggests treatment options, and the method further comprises receiving an input from the patient interface indicating a selection of one of the suggested treatment options and adjusting the settings in response to the selection to carry out the treatment session in accordance with the selected treatment option. 73. the computer program product according to claim 67, further comprising receiving data indicating limits of variation of each of the at least one setting that are allowed to be modified via the patient interface, thereby allowing modification of each setting within these limits. 74. the computer program product according to claim 68, further comprising receiving data indicating limits of variation of the measured clinical or therapeutic parameters. 75. a dialysis device receiving data representing a set of therapeutic objectives and a prescribed treatment plan, wherein the prescribed treatment plan includes a treatment schedule for consecutive treatment sessions and a set of settings to the dialysis device for the treatment sessions, the dialysis device comprising: a patient interface, and a computer system receiving input data from the patient interface and storing the input data and the received set of therapeutic objectives and the received prescribed treatment plan in a memory, wherein the computer system executes a computer code stored in the memory to: modify at least one of the settings of the set of settings based on the input data received from the patient interface, and in response to the modification of said at least one of the settings, re-evaluate the prescribed treatment plan and generate at least one suggested treatment option for achieving the set of therapeutic objectives, wherein each of the at least one suggested treatment option includes a set of settings to the dialysis device for one or more of the consecutive treatment sessions. 76. the dialysis device of claim 75 wherein the re-evaluation of the treatment plan includes adjusting at least one of the other of the settings of the set of settings in the treatment plan. 77. a computer program product comprising computer code which, when executed on a data-processing system of a dialysis device, is adapted to carry out a method of operating the dialysis device, the method comprising: receiving by the dialysis device a set of therapeutic objectives and a treatment plan, which comprises a treatment schedule for consecutive treatment sessions and a set of settings of the dialysis device for the treatment sessions receiving from a patient interface for the dialysis device a modification to at least one of the settings of the set of settings of the treatment session re-evaluating the treatment plan based on the received modification of the at least one of said settings, wherein the re-evaluation includes generating a suggestion of at least one treatment option, wherein the treatment option is determined based on the modification of the at least one setting, the set of therapeutic objectives and the treatment plan, and wherein the at least one treatment option comprises a suggested set of settings of a treatment session to achieve said set of therapeutic objectives. 78. the computer program of claim 76 wherein the re-evaluation (Results 37)

Search 2 and delay (Results 9)

3:

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Search 3 and dialysis (Results 9)

5:

1) Family number: 24193617 (US5591344A)

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

Abstract: Source: US5591344A 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)

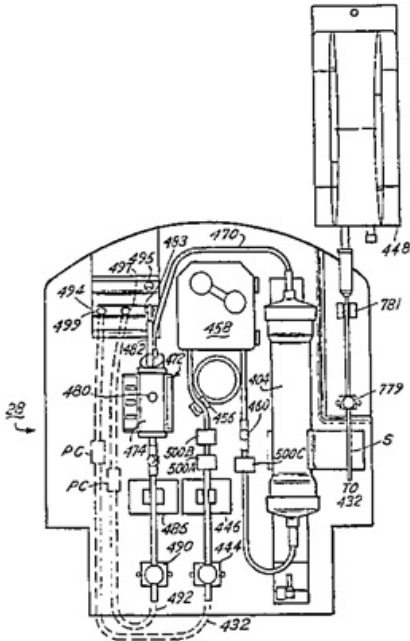
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Family:

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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

2) Family number: 43176711 (US2009101552A)

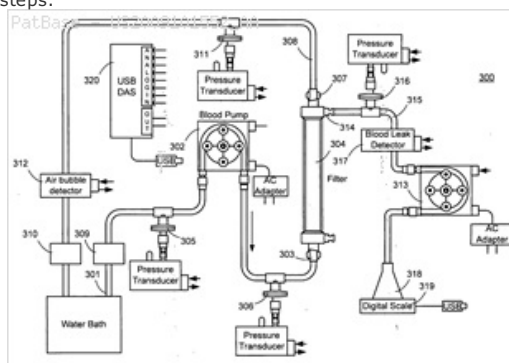
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Title: MANIFOLDS FOR USE IN CONDUCTING **DIALYSIS**

Abstract: Source: US2009101552A The present invention is directed to novel systems for conducting the filtration of blood using manifolds. The manifolds integrate various sensors and have fluid pathways formed therein to direct fluids from various sources through the requisite blood filtration or ultrafiltration system steps.

Classifications:

International (IPC 8-9): A61M1/00 A61M1/10 A61M1/14 A61M1/16 A61M1/28 A61M1/34 A61M1/36 A61M37/00 A61M39/08 A61M39/22 A61M5/168 B01D11/00 B01D35/00 B01D35/30 B01D61/00 B01D61/14 B01D61/18 B01D61/20 B01D61/22 B01D61/24 B01D61/26 B01D61/28 B01D61/30 B01D61/32 B01D61/34 C02F1/44 F01D1/04 F01D25/12 F01D25/24 F02C6/04 F02C6/08 F02C7/141 F02C7/143 F04D29/32 F04D29/58 F15D1/00 F16K11/02 F16K3/12 F16K31/02 F16K31/06 F16K31/08 F16K31/56 F16K37/00 F16K43/00 F16K51/00 F16K7/16 F16L37/00 F16L55/18 F17D3/00 G01F1/68 G01N27/22 G01N33/487 G01P3/36 (Advanced/Invention); A61M1/14 A61M1/16 A61M1/36 B01D61/24 F01D5/08 F02C7/18 (Advanced/Non-invention); A61M37/00 B01D61/24 F16K31/06 F16K31/08 F16K43/00 F16K51/00 F16L55/18 (Core/Invention); A61M B01D (Subclass/Invention) **CPC:** A61M1/3663 G01F1/667 G01F1/6842 G01F1/6986 G01F1/699 G01F1/7084 A61M2205/121 A61M2205/3569 A61M2209/084 B01D2313/20 A61M1/1694 A61M1/28 A61M2205/12 A61M1/34 F01D5/081 F01D9/065 F02C6/08 F02C7/143 F02C7/185



F04D29/321 F04D29/5826 F04D29/584 F05D2220/3219 F05D2260/205 F05D2260/213 A61M2205/18 A61M2205/3331 A61M2205/3576 A61M2205/6018 A61M1/1621 A61M2202/0413 A61M2205/75 A61M2209/00 B01D61/28 A61M1/3643 A61M1/342 A61M1/3437 A61M1/3465 A61M1/3647 A61M1/3649 A61M2205/3324 A61M2205/3372 F16K31/082 A61M2205/128 A61M2205/3653 B01D2313/38 Y10T137/0491 G01N33/48707 G01N27/221 G01N27/228 A61M2205/36 A61M2205/3317 A61M1/1664 A61M1/1656 Y10T137/8158 Y10T137/87153 Y10T137/87249 Y10T137/8242 A61M1/1609 A61M1/1645 A61M1/166 A61M1/1696 A61M1/3646 A61M2205/126 A61M2205/13 A61M2205/14 A61M2205/15 A61M2205/3393 A61M2205/3553 A61M2205/3584 A61M2205/584 B01D61/18 B01D61/30 B01D2313/10 B01D2313/105 B01D2313/12 B01D2313/125 B01D2313/243 Y10T137/85938 A61M1/3672 A61M2205/3334 A61M2205/502 A61M2205/52 A61M1/3417 A61M39/08 A61M1/367 A61M1/3626 B01D61/145 A61M1/3413 B01D2313/50 A61M1/1692 A61M1/3656 A61M1/3434 A61M1/3441 A61M1/3451 A61M1/3458 A61M1/1607 A61M2205/3313 A61M2205/3375 A61M2205/50 A61M2205/505 A61M1/3644 A61M1/365 A61M1/3652 A61M1/1601 A61M1/369 A61M1/3406 A61M2205/6072 A61M2205/10 A61M1/3639 A61M1/14 A61M1/3641 A61M1/16 A61M1/1666 A61M1/1668 A61M1/167 A61M1/3403 A61M2205/3306 A61M2205/3368 **European:** A61M1/14 A61M1/16 A61M1/16R2 A61M1/34 A61M1/34E A61M1/36C6 A61M1/36C8 B01D61/18 B01D61/28 B01D61/30 F01D5/08 F02C7/143C F16K31/08E G01F1/66F G01F1/684C G01F1/698D G01F1/699 G01F1/708B K61M1/16 K61M1/16A4C2 K61M1/16B8 K61M1/16D2B K61M1/16L K61M1/34E1R K61M1/34E4D K61M1/36C5 K61M1/36C6A2 K61M1/36C6A3 K61M1/36C6A4 K61M1/36C7C K61M205/12A K61M205/12F4 K61M205/12V K61M205/13 K61M205/14 K61M205/33T K61M205/33V4 K61M205/35R1 K61M205/35R3 K61M205/35T1 K61M209/08B L01D313/10 L01D313/12 L01D313/20 L01D313/24B **US:** 1/1 137/551 137/554 137/561A 137/594 137/594S 137/597 137/597S 177/3 210/103 210/134 210/137 210/137S 210/138 210/143 210/175 210/184 210/186 210/195.2 210/195.200P 210/232 210/232S 210/321.6 210/321.71 210/321.72 210/321.78 210/321.87 210/423 210/646 210/85 210/86 210/90 210/94 210/96.2 210/96.200P 251/129.02 251/129.17 251/129.19 251/65 251/65S 324/675 356/28 356/28.5 415/1 415/179 417/477.1 504/6.09 504/6.11 60/39.23 60/39.83 60/728 60/782 60/782P 60/785 60/785S 60/795 60/806 604/6.09 604/6.1 604/6.100P 604/6.11 73/204.11 73/204.110P 92/172

Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Inventor(s): ZWIERSTRA JAN

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WRAYS; DAVIES COLLISON CAVE PTY LTD; WRAYS PTY LTD; BERESKIN AND PARR LLP SENCRL SRL; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; LECKEY DAVID HERBERT; WILSON ALAN STUART; BIRDI SANDEEP SINGH; MALONE LAURIS ELAINE; OBRIEN LISA; PATENTMETRIX; NOVEL IP; CARLSON GASKEY AND OLDS PC; CARLSON GASKEY AND OLDS P C; ANSARI HAZIM; DALAL SONA

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

3) Family number: 46982854 (US2012029937A)

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Title: **DIALYSIS** DEVICE

Abstract: Source: US2012029937A A **dialysis** device comprising a prescriber interface and a programming means configured to allow, via the prescriber interface, input of a set of therapeutic objectives and a treatment plan and a re-evaluation means configured to, as a function of the therapeutic objectives and the treatment plan, suggest at least one treatment option comprising a set of settings of a treatment session to achieve said set of therapeutic objectives.

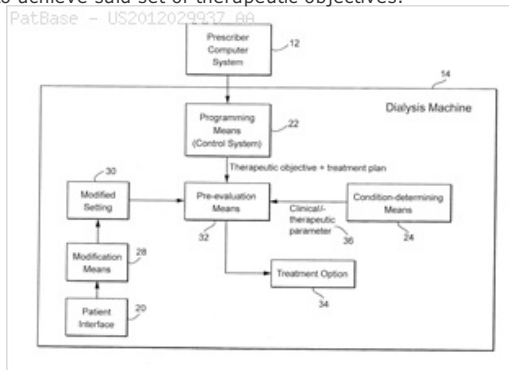
Classifications:

International (IPC 8-9): A61M1/16 A61M1/28 B01D61/00 G06F19/00 G06Q50/00 G06Q50/22 (Advanced/Invention); A61M1/16 G06F19/00 (Core/Invention)

CPC: G06F19/3481 A61M1/16 A61M1/28 A61M2205/505 A61M2205/52 G06Q50/22 A61M1/1613 A61M2205/3393 A61M1/3609 A61M2205/502

European: A61M1/16 G06F19/34A G06Q50/22 K61M1/16A5 K61M1/28 K61M205/50A1 K61M205/52 S06F19/34L

US: 210/646 210/646S 705/2 705/2P



Family:

Publication number	Publication date	Application number	Application date
CN102361657 A	20120222	CN201080013027	20100324
CN102361657 B	20151216	CN201080013027	20100324
DE602010026031 D1	20150903	DE201060026031T	20100324
EP2411069 A1	20120201	EP20100710329	20100324
EP2411069 B1	20150722	EP20100710329	20100324
EP2957305 A1	20151223	EP20150177324	20100324
ES2548570 T3	20151019	ES20100710329T	20100324
US2012029937 AA	20120202	US20100260456	20100324
WO10108955 A1	20100930	WO2010EP53837	20100324

Priority:

EP20100710329 20100324 WO2009IB51225 20090324 WO2010EP53837 20100324

Probable Assignee: DEBIOTECH SA

Assignee(s): (std): DEBIOTECH SA ; GAMBRO LUNDIA AB ; HERTZ THOMAS ; NEFTEL FREDERIC ; BERNARD PASCAL

Assignee(s): DEBIOTECH S A

Inventor(s): (std): BERNARD PASCAL ; FREDERIC NEFTEL ; HERTZ THOMAS ; NEFTEL FREDERIC ; PASCAL BERNARD ; THOMAS HERTZ

Agent(s): BORNEGARD ANNETTE; WEIHS BRUNO KONRAD; ISERN JORGE

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

4) Family number: 51991082 (US2014018727A) © PatBase

Title: PERITONEAL **DIALYSIS** SYSTEMS, DEVICES, AND METHODS

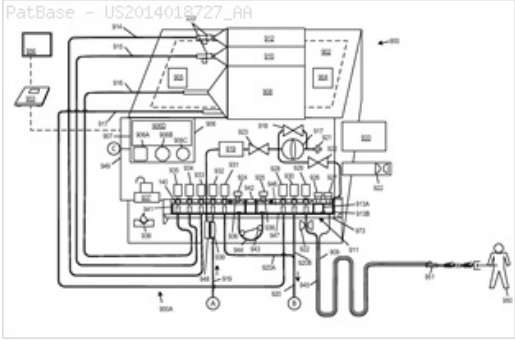
Abstract: Source: US2014018727A An automated peritoneal **dialysis** system provides various features including prescription-driven **dialysis** fluid preparation, an integrated disposable fluid circuit, and sensor capabilities that allow accurate filling and draining control with high safety margins. Features include a peritoneal fluid circuit with a pressure sensor at either end and methods and devices for using the pressure signals. Other features and embodiments are disclosed.

Classifications:

International (IPC 8-9): A61M1/00 A61M1/14 A61M1/16 A61M1/28 A61M25/14 (Advanced/Invention); A61M25/00 (Advanced/Non-invention)

CPC: A61M1/287 A61M2205/14 A61M1/285 A61M2205/12 A61M2205/3334 A61M2205/123 A61M1/281 A61M2205/33 A61M1/28 A61M1/1656 A61M1/282 A61M1/288 A61M2205/128 A61M2205/3351 A61M2205/3355 A61M1/166 A61M1/1664 A61M1/1668 A61M1/167 A61M1/1672 A61M1/1674 A61M2025/0002 A61M2205/18 A61M2205/3331 A61M2205/52 A61M2230/005

US: 604/28 604/29



Family:

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EP2688602 A4	20151028	EP20120760085	20120323
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EP2827916 A4	20151118	EP20120871735	20120923
EP2827916 B1	20170809	EP20120871735	20120923
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GB201316544 A0	20131030	GB20130016544	20120323
GB2503162 A1	20131218	GB20130016544	20120323
IN08268DN2013 A	20160520	IN2013DN08268	20130923
JP2014519345 T2	20140814	JP20140501276T	20120323
JP2015517834 T2	20150625	JP20150503186T	20120923
JP6049685 B2	20161221	JP20140501276T	20120323
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US2015005699 AA	20150101	US20120348533	20120923
US2017182237 AA	20170629	US20170400978	20170107
US2017203024 AA	20170720	US20170476015	20170331
US2017203025 AA	20170720	US20170476819	20170331
US2017203026 AA	20170720	US20170476927	20170331
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WO12129501 A2	20120927	WO2012US30350	20120323
WO12129501 A3	20121115	WO2012US30350	20120323
WO13141896 A1	20130926	WO2012US56781	20120923

Priority:

EP20120871735	20120923	EP20120871735	20120923	US20110466921P	20110323
US20110509240P	20110719	US20110490183P	20110526	US20120006763	20120323
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Probable Assignee: NXSTAGE MEDICAL INC

Assignee(s): (std): BRUGGER JAMES M ; BURBANK JEFFREY H ; WYETH MARK T ; NXSTAGE MEDICAL INC ; TREU DENNIS M

Assignee(s): GENERAL ELECTRIC CAPITAL ADMINISTRATIVE AGENT AS CORP ; HEALTHCARE FINANCIAL SOLUTIONS LLC SUCCESSOR AGENT AS ; NXSTAGE MEDICAL

Inventor(s): (std): BRUGGER JAMES M ; BURBANK JEFFREY H ; TREU DENNIS M ; WYETH MARK T ; WYETH MARK ; TREU DENNIS

Inventor(s): MARK WYETH ; JEFFREY H BURBANK ; JAMES M BRUGGER ; DENNIS TREU

Agent(s): PHILLIPS ORMONDE FITZPATRICK; BORDEN LADNER GERVAIS LLP; LAWRENCE JOHN; VIERING JENTSCHURA AND PARTNER PATENT U RECHTSANWAELTE; VIERING JENTSCHURA AND PARTNER MBB

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

5) Family number: 52662657 (US2013006171A)

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Title: DIALYSIS MACHINE

Abstract: Source: US2013006171A The present invention relates to a dialysis machine, in particular a peritoneal dialysis machine, wherein a dialysis treatment, in particular a peritoneal dialysis treatment, can be carried out by means of the dialysis machine in accordance with predefined and/or inputtable treatment parameters and wherein the dialysis machine has at least one setting means by means of which at least one treatment parameter can be set dynamically and/or during the treatment operation of the dialysis machine. The present invention furthermore relates to a method of operating a dialysis machine.

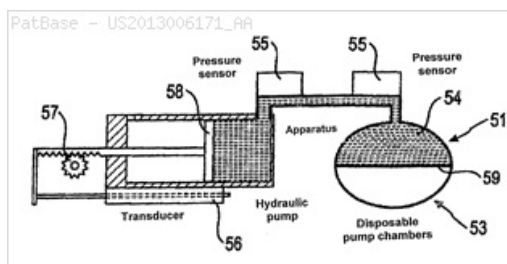
Classifications:

International (IPC 8-9): A61M1/16 A61M1/28 (Advanced/Invention)

CPC: A61M1/166 A61M1/282 A61M2205/12 A61M1/16 A61M1/28 A61M2205/3331 A61M2205/3368 A61M2205/50

European: A61M1/16 A61M1/28

US: 604/29



Family:

Publication number	Publication date	Application number	Application date
CN103648539 A	20140319	CN201280032654	20120627
CN103648539 B	20160413	CN201280032654	20120627
DE102011105916 A1	20130103	DE201110105916	20110629
DE102011105916 B4	20130328	DE201110105916	20110629
EP2726120 A1	20140507	EP20120729887	20120627
IN00433CN2014 A	20150703	IN2014CN00433	20140118
JP2014523303 T2	20140911	JP20140517503T	20120627
JP2017140437 A2	20170817	JP20170076680	20170407
JP6161167 B2	20170712	JP20140517503T	20120627
US2013006171 AA	20130103	US20120534514	20120627
WO13000569 A1	20130103	WO2012EP02701	20120627

Priority:

DE201110105916 20110629 JP20140517503T 20120627 US20120534514 20120627
US20110502467P 20110629 WO2012EP02701 20120627 JP20170076680 20170407

Probable Assignee: FRESenius MEDICAL CARE DEUTSCHLAND GMBH

Assignee(s): (std): GRIESMANN ERIK ; HEDMANN FRANK ; GRIESSMANN ERIK ; WICH HEITER JOACHIM ; FRESenius MEDICAL CARE DE GMBH ; FRESenius MEDICAL CARE DEUTSCHE GMBH

Assignee(s): FRESenius MEDICAL CARE DEUTSCHLAND GMBH

Inventor(s): (std): ERIK GRIESMANN ; JOACHIM WICH HEITER ; WICH HEITER JOACHIM ; HEDMANN FRANK ; GRIESSMANN ERIK ; GRIESSMANN ERIK

Agent(s): LAUFHUEETTE DIETER; MAEDA AND PARTNERS; KURASAWA ICHIRO; MATSUSHITA MITSURU; DESHIMARU TAKESHI; LORENZ SEIDLER GOSSEL ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL 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 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

6) Family number: 53176469 (US2013056418A)

© PatBase

Title: DIALYSATE FLOW CONTROL

Abstract: Source: US2013056418A Method and apparatus for controlling the dialysate flow in a dialysis device. A change of the value of a control factor, caused by a variation of a property of the dialysate or of the blood or by a change of the dialysate flow, is determined in order to control the dialysate flow. The control factor is a measure for the exchange of substances via the dialyzer and thus the effectiveness of the dialyzer. If the change of the value of the control factor exceeds a limit, the dialysate flow is increased. On the other hand, the dialysate flow is reduced if the change of the value of the control factor falls short of the limit range.

Classifications:

International (IPC 8-9): A61M1/14 A61M1/16

A61M1/36 (Advanced/Invention)

CPC: A61M1/16 A61M1/1605 A61M1/36 A61M1/3609 A61M2205/3317 A61M2205/3368 A61M1/1615 A61M2205/3324 A61M2205/50

US: 210/137 210/143 210/646 210/96.2

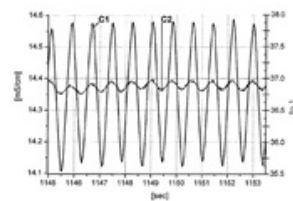


Fig. 1

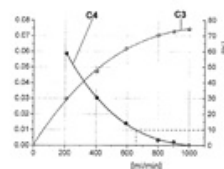


Fig. 2

Family:

Publication number	Publication date	Application number	Application date
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CN103857419 B	20160302	CN201280042814	20120831
DE102011053200 A1	20130307	DE201110053200	20110901
EP2750730 A1	20140709	EP20120755988	20120831
JP2014529453 T2	20141113	JP20140527677T	20120831
JP6139529 B2	20170531	JP20140527677T	20120831
US2013056418 AA	20130307	US20120599028	20120830
US9724455 BB	20170808	US20120599028	20120830
WO13030350 A1	20130307	WO2012EP66978	20120831

Priority:

DE201110053200 20110901 US20110529965P 20110901 US20120599028 20120830
 WO2012EP66978 20120831

Probable Assignee: FRESenius MEDICAL CARE DEUTSCHLAND GMBH

Assignee(s): (std): FRESenius MEDICAL CARE DE GMBH ; FRESenius MEDICAL CARE DEUTSCHLAND GMBH ; GAGEL ALFRED ; KOPPERSCHMIDT PASCAL

Inventor(s): (std): ALFRED GAGEL ; GAGEL ALFRED ; KOPPERSCHMIDT PASCAL ; PASCAL KOPPERSCHMIDT

Agent(s): NORDMEYER PHILIPP WERNER; SHIN EI PATENT FIRM PC; JACOBSON HOLMAN PLLC; NORDMEYER PHILIPP

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 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

7) Family number: 60544159 (US2017028118A)

© PatBase

Title: A PROCESS FOR THE ESTIMATION OF TREATMENT DURATION OF PERITONEAL DIALYSIS TREATMENT

Abstract: Source: US2017028118A The present invention relates to a process for the estimation of treatment duration of peritoneal dialysis treatment: wherein the estimation of treatment duration is performed based on an ideal treatment duration, wherein the ideal treatment duration is increased by one or more delay values, wherein the delay values depend on one or more apparatus-specific and/or patient-specific and/or process-specific parameters.

Classifications:

International (IPC 8-9): A61M1/28 (Advanced/Invention)

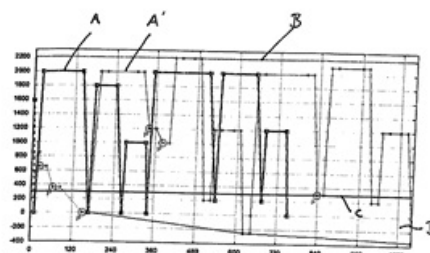
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A61M1/28 A61M1/285 A61M2205/3334

US: 604/28

PatBase - US2017028118_AA

Figure 1

**Family:**

Publication number	Publication date	Application number	Application date
AR101076 AA	20161123	AR2015P101067	20150408
CN106163586 A	20161123	CN201580018510	20150331
CO20160002648 A2	20170130	CO20160002648	20161004
DE102014005122 A1	20151008	DE201410005122	20140408
EP3129081 A1	20170215	EP20150722651	20150331
IN201637034396 A	20170310	IN201637034396	20161007
JP2017513666 T2	20170601	JP20170504241T	20150331
KR20160141846 A	20161209	KR20167031214	20150331
MX2016012401 A1	20170106	MX20160012401	20150331
US2017028118 AA	20170202	US20150302617	20150331
WO15154859 A1	20151015	WO2015EP00698	20150331

Priority:

DE201410005122 20140408 WO2015EP00698 20150331

Probable Assignee: FRESENIUS MEDICAL CARE DE GMBH

Assignee(s): (std): FRESENIUS MEDICAL CARE DE GMBH ; FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH

Inventor(s): (std): KLAUS WOLF ; MARTIN BUDA ; WOLF KLAUS ; GRIESSMANN ERIK ; ERIK GRIESSMANN ; BUDA MARTIN ; ERIK GRIESSMANN

Inventor(s): ERIK GRIESSMANN

Agent(s): CAROLINA MERCEDES DAZA MONTALVO; HERRMANN UWE; KURASAWA ICHIRO; MATSUSHITA MITSURU; DESHIMARU TAKESHI; LORENZ SEIDLER GOSSEL RECHTSANWAELTE PATENTANWAELTE PARTNERSCHAFT MBB

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

8) Family number: 60721465 (US2015314055A)

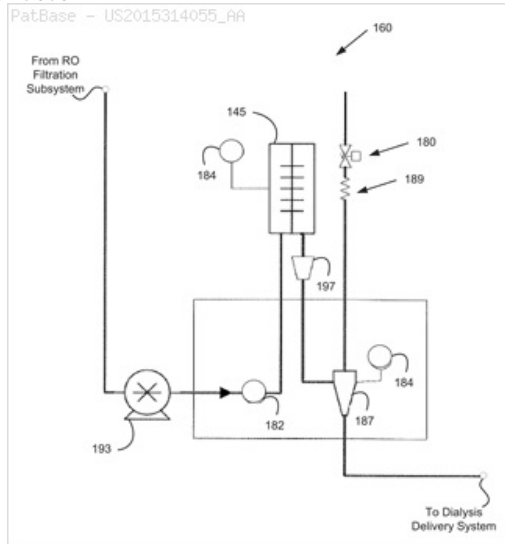
© PatBase

Title: **DIALYSIS** SYSTEM AND METHODS

Abstract: Source: US2015314055A **Dialysis** systems and methods are described which can include a number of features. The **dialysis** systems described can be to provide **dialysis** therapy to a patient in the comfort of their own home. The **dialysis** system can be configured to prepare purified water from a tap water source in real-time that is used for creating a dialysate solution. The **dialysis** systems described also include features that make it easy for a patient to self-administer therapy. For example, the **dialysis** systems include disposable cartridge and patient tubing sets that are easily installed on the **dialysis** system and automatically align the tubing set, sensors, venous drip chamber, and other features with the corresponding components on the **dialysis** system. Methods of use are also provided, including automated priming sequences, blood return sequences, and dynamic balancing methods for controlling a rate of fluid transfer during different types of **dialysis**, including hemodialysis, ultrafiltration, and hemodiafiltration.

Classifications:

International (IPC 8-9): A61M1/16 A61M1/28 A61M1/34 A61M1/36 A61M37/00 F04F13/00 F16K3/34 G01F23/00 (Advanced/Invention)
CPC: A61M1/1603 A61M1/165 A61M2202/0413 A61M2205/3341 A61M1/367 A61M1/3624 A61M1/3638 A61M1/3627 A61M1/3607 A61M1/3649 G01F23/00 A61M2205/07 A61M1/1672 A61M2205/3306 A61M2205/3334 A61M2205/3375 A61M2205/3317 A61M2205/14 A61M2205/3331 A61M2207/00 A61M1/3647 A61M2205/123 A61M2205/18 Y10T29/49897 Y10T137/0424 A61M2205/121 A61M1/1621 A61M1/1656 A61M1/1686 A61M1/3643 A61M2205/3673 A61M2230/30 Y10T29/49782 A61M1/3646 A61M1/1658 A61M1/166 A61M1/3644
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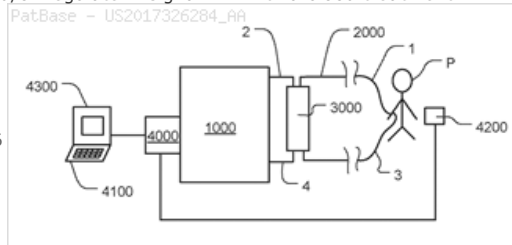
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EP3137128 A1	20170308	EP20150786787	20150429
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US2015314055 AA	20151105	US20150699875	20150429
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Priority:

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Probable Assignee: OUTSET MEDICAL INC**Assignee(s):** (std): HOGARD MICHAEL EDWARD ; RITSON JAMES ; STIENMIER JOHN DAVID ; HU DEAN ; MCGREGOR PAUL DAVID ; MANIAM BALAJI M ; LINGAM GOPI ; OUTSET MEDICAL INC ; UCHIDA ANDY H**Assignee(s):** CRG PARTNERS III CAYMAN LP ; CRG PARTNERS III LP ; CRG PARTNERS III PARALLEL FUND B CAYMAN LP ; PERCEPTIVE CREDIT HOLDINGS LP**Inventor(s):** (std): HOGARD MICHAEL EDWARD ; HU DEAN ; LINGAM GOPI ; MANIAM BALAJI M ; MCGREGOR PAUL DAVID ; RITSON JAMES ; STIENMIER JOHN DAVID ; UCHIDA ANDY H**Agent(s):** PRICE NIGEL JOHN KING; SAMEJIMA MUTSUMI; SHAY GLENN LLP; THOMAS JUSTIN 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**9) Family number: 61909266 (US2017326284A)**

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Title: METHOD FOR CONTROLLING A BLOOD TREATMENT DEVICE WHILE CONSIDERING PATIENT FEEDBACK IN THE TREATMENT OF BLOOD AND BLOOD TREATMENT DEVICE**Abstract:** Source: US2017326284A A control and/or regulation device, which is connected via signal link to a first input device, which in particular is operable by a doctor, and to a second input device, which in particular is operable by a patient, wherein the control or regulation device is programmed to control and/or regulate in signal link with a blood treatment**Classifications:****International (IPC 8-9):** A61M1/14 A61M1/16 A61M1/34 G05B19/04 G06F19/00 (Advanced/Invention); G06F19/00 (Advanced/Non-invention)**CPC:** A61M1/1601 A61M1/34 A61M2205/502 G06F19/3481 A61M1/1605 A61M1/3406 A61M1/3413 A61M1/1603 A61M2205/505 A61M2205/3334 A61M1/14 A61M1/341 A61M2205/3368 G06F19/3406 G16H40/63 Y02A90/22 Y02A90/26**Family:**

Publication number	Publication date	Application number	Application date
CN107073186 A	20170818	CN201580050242	20150917
DE102014113462 A1	20160324	DE201410113462	20140918
EP3193961 A1	20170726	EP20150766458	20150917
US2017326284 AA	20171116	US20150512214	20150917
WO16042078 A1	20160324	WO2015EP71325	20150917

Priority:

DE201410113462 20140918 WO2015EP71325 20150917

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