

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4372530

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BAXTER HEALTHCARE SA, SINGAPORE BRANCH	09/04/2015
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<b>Internal Address:</b>	GLATTPARK
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<b>Postal Code:</b>	CH-8152
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15477630
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<b>NAME OF SUBMITTER:</b>	EMILY MIAO
<b>SIGNATURE:</b>	/Emily Miao/

**DATE SIGNED:**

04/18/2017

**Total Attachments: 22**

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## ASSIGNMENT

WHEREAS, Baxter Healthcare SA, Singapore Branch, hereinafter referenced as "ASSIGNOR"), having its place of business at One Baxter Parkway, Deerfield, IL, 60015, USA, owns certain rights, title, and interest in the patents and patent applications listed in Appendix A; and Baxter International Inc., having its place of business at One Baxter Parkway, Deerfield, Illinois 60015, USA, and Baxter Healthcare SA, having its place of business at Thurgauerstrasse 130, Glattpark, Opfikon, Switzerland CH-8152, hereinafter jointly referenced as "ASSIGNEE", desires to own ASSIGNOR's entire right, title, and interest in and to the invention, in all countries throughout the world, and in and to the patents and patent applications listed in Appendix A hereto. This assignment is deemed to have an effective date of June 16, 2011.

NOW THEREFORE, be it known that, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns, transfers, and sets over to ASSIGNEE, its legal representatives, successors and assigns, ASSIGNOR's entire right, title, and interest in and to the patents and patent applications listed in Appendix A, the invention claimed in the patent application listed in Appendix A hereto, any other patent applications directed to the invention, and all Letters Patent of the United States that may be granted thereon, and all reissues, reexaminations, continuations, divisions, continuations-in-part, and extensions thereof; and all rights to claim priority on the basis of such applications, and all applications for Letters Patent that may be filed for the invention in any foreign country and all Letters Patent that may be granted on the invention in any foreign country, and all extensions, continuations, continuations-in-part, divisions, renewals, and reissues thereof; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to ASSIGNEE, its legal representatives, successors and assigns, in accordance with the terms of this Assignment;

AND, ASSIGNOR further warrants that it has the full right to convey the interest assigned by this Assignment, that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned, that it will take all action and execute all documents necessary to perfect the interest assigned hereby, and that it has not executed and will not execute any agreement in conflict with this Assignment;

AND, ASSIGNOR HEREBY further warrants and agrees that it will, through its officers and employees, without further consideration, communicate with ASSIGNEE, its legal representatives, successors and assigns, any facts known to ASSIGNOR and its officers and employees respecting the invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to the invention in said ASSIGNEE, its legal representatives, successors and assigns, execute reissues, reexaminations, continuations, divisions, continuations-in-part, and extensions thereof, make all rightful oaths, and generally do everything possible to aid ASSIGNEE, its legal representatives, successors and assigns, to obtain and enforce proper patent protection for the invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by ASSIGNEE, its legal representatives, successors and assigns.

WITNESS my hand and seal this \_\_\_ day of \_\_\_\_\_ 2015.

Baxter Healthcare SA, Singapore Branch

Date \_\_\_\_\_ Signature \_\_\_\_\_


Name: \_\_\_\_\_

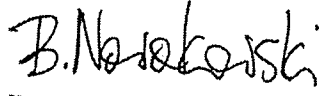
Title: \_\_\_\_\_

State of \_\_\_\_\_, County of \_\_\_\_\_

Signed before me this \_\_\_\_\_ date of \_\_\_\_\_, 2015

\_\_\_\_\_  
Notary Public

  
Gerald Heritier  
VP Human Resources

  
Bartosz Nowakowski  
Controller, Western Europe

## Official Certification

Seen for authentication of the reverse side signatures of

Mr. **Bartosz Michal NOWAKOWSKI**, Nationality: Poland, in Zürich,  
personally known to us,

Ms. **Gérald Damien Maurice HÉRITIER**, Swiss citizen of Savièse VS, in Thalwil,  
personally known to us,

who are entered in the Register of Commerce of the Kanton of Zürich as persons with the right to  
sign jointly by two for the

**Baxter Healthcare SA**, corporation with registered head office in Opfikon .

The signature was acknowledged before us by an authorized third party.

The inspection of the commercial register has taken place directly before the official certification by  
internet inquiry.

Wallisellen, 4th September 2015  
BK no. 1803/1806  
Fee CHF 60.00



**NOTARIAT WALLISELLEN**

*[Handwritten signature]*  
Esther Züst, Deputy Notary Public

## **APPENDIX A**

### **ASSIGNED PATENTS AND APPLICATIONS**

Appendix A consists of the following parts:

Appendix A-1- United States Patents/Applications

Appendix A-2- Australian Patents/Applications

Appendix A-3- Brazilian Patents/Applications

Appendix A-4- Canadian Patents/Applications

Appendix A-5- European Patents/Applications

Appendix A-6- Japanese Patents/Applications

Appendix A-7- Mexican Patents/Applications

**APPENDIX A-1  
UNITED STATES  
PATENTS AND APPLICATIONS  
ISSUED PATENTS**

<b>Patent No.</b>	<b>Issue Date</b>	<b>Application No.</b>	<b>Date Filed</b>	<b>Named Inventors</b>	<b>Title</b>
8,828,232	09/09/14	13/786,806	03/06/2013	Shah, Dilip H. and Ing, Todd	Citrate-Based Dialysate Chemical Formulations
8,562,908	10/22/2013	11/824,322	06/29/2007	Rodney S. Kenley	Devices, Systems and Methods for Cleaning, Disinfecting, Rinsing, and Priming Blood Separation Devices and Associated Fluid Lines  Acquired pursuant to Assignment Agreement between Rodney S. Kenley and HHD.
8,414,768	04/09/2013	13/493,106	06/11/2012	Shah, Dilip H. and Ing, Todd	Citrate-Based Dialysate Chemical Formulations
8,202,547	06/19/2012	13/007,863	01/17/2011	Shah, Dilip H. and Ing, Todd	Citrate-Based Dialysate Chemical Formulations
7,883,725	02/08/2011	12/474,658	05/29/2009	Shah, Dilip H. and Ing, Todd	Citrate-Based Dialysate Chemical Formulations
7,544,301	06/09/2009	10/921,677	08/19/2004	Shah, Dilip H. and Ing, Todd	Citrate-Based Dialysate Chemical Formulations
7,048,898	05/23/2006	09/868,580	12/21/1999	Moriyama, Naohiko, et al.	Apparatus for Preparing a Medical Patient for a Medical Procedure
6,868,309	03/15/2005	09/961,735	09/24/2001	Begelman, Jamie	Dialysis Machine with Symmetric Multi-Processing (SMP) Control System and Method of Operation
6,691,047	02/10/2004	09/527,327	03/16/2000	Fredericks, Chris N.	Calibration of Pumps, Such as Blood Pumps of Dialysis Machines
6,355,161	03/12/2002	09/549,897	04/14/2000	Shah, Dilip H.; et al.	Bottles for Dialysis Machines and Methods for Automatically Identifying Such Bottles

Patent No.	Issue Date	Application No.	Date Filed	Named Inventors	Title
6,280,634	08/28/2001	09/590,812	06/09/2000	Shah, Dilip H.; et al.	Method of Determination of System Volume of Dialysis Machine
6,153,102	11/28/2000	09/236,764	01/25/1999	Kenley, Rodney S. and Wiebenson, Derek	Disinfection of Dead-Ended Lines of Dialysis Machine
6,146,523	11/14/2000	09/128,185	08/03/1998	Kenley, Rodney S., et al.	User Interface and Method for Control of Medical Instruments such as Dialysis Machines
6,136,201	10/24/2000	09/186,501	11/04/1998	Shah, Dilip H., et al.	Method of Preparation of a Batch of Physiologic Solution
6,132,616	10/17/2000	08/335,102	11/07/1994	Twardowski, Zbylut, J. and Kenley, Rodney S.	Artificial Kidney For Frequent (Daily) Hemodialysis
5,336,165	08/09/1994	07/748,036	08/21/1991	Twardowski, Zbylut, J., et al.	Artificial Kidney for Frequent (Daily) Hemodialysis  (To the extent Aksys/Durus has any rights to such patent)
6,146,536	11/14/2000	09/290,151	04/12/1999	Twardowski, Zbylut, J., et al.	Method of Preparing a Batch of Dialysis Solution  (To the extent Aksys/Durus has any rights to such patent)
5,484,397	01/16/1996	07/155,993	11/22/1993	Twardowski, Zbylut, J., et al.	Artificial Kidney for Frequent (Daily) Hemodialysis  (To the extent Aksys/Durus has any rights to such patent)

Patent No.	Issue Date	Application No.	Date Filed	Named Inventors	Title
5,902,476	05/11/1999	08/829,537	03/28/1997	Twardowski, Zbylut, J., et al.	Artificial Kidney for Frequent (Daily) Hemodialysis  (To the extent Aksys/Durus has any rights to such patent)
6,044,691	04/25/2000	09/140,483	08/26/1998	Kenley, Rodney S., et al.	Tubing Integrity Tests For Extracorporeal Circuits
5,932,110	08/03/1999	08/762,072	12/09/1996	Shah, Dilip H. and Feldstein, Thomas M.	Conductivity Adjustment in Batch Dialysate Preparation System
5,932,103	08/03/1999	08/938,111	09/26/1997	Kenley, Rodney S. and Schroeder, Christine F.	Withdrawal of Priming Solution from Extracorporeal Circuit
5,863,421	01/26/1999	08/929,943	09/15/1997	Peter, Jr., Frederick H., et al.	System for Priming Dialyzer
5,858,239	01/12/1999	08/799,227	02/14/1997	Kenley, Rodney S., et al.	Methods for Adjustment of Blood Drip Chamber Level of Dialysis Machines
5,788,851	08/04/1998	08/800,405	02/14/1997	Kenley, Rodney S., et al.	User Interface and Method of Control of Medical Instruments, such as Dialysis Machines
5,788,099	08/04/1998	08/660,694	06/05/1996	Treu, Dennis M., et al.	Vessel for Containing Batch Quantities of Dialysate Chemicals
5,783,072	07/21/1998	08/842,184	04/23/1997	Kenley, Rodney S., et al.	Lightweight Noncompliant Dialysate Solution Tank
5,762,782	06/09/1998	08/895,385	07/16/1997	Kenley, Rodney S., et al.	Water Treatment for Dialysate Preparation
5,725,776	03/10/1998	08/560,334	03/01/1996	Kenley, Rodney S., et al.	Methods for Ultrafiltration Control in Hemodialysis
5,716,531	02/10/1998	08/893,125	07/15/1997	Kenley, Rodney S., et al.	Method for Determining Sodium Clearance of Dialyzer



Patent No.	Issue Date	Application No.	Date Filed	Named Inventors	Title
5,714,060	02/03/1998	08/707,509	09/04/1996	Kenley, Rodney S., et al.	Disinfection of Arterial and Venous Line Connectors of Dialysis Machine
5,707,086	01/13/1998	08/559,834	03/14/1996	Kenley, Rodney S., et al.	Tubing Connectors and Ports for Receiving the Connectors
5,705,066	01/06/1998	08/558,215	04/16/1996	Treu, Dennis M. and Walker, Donald C.	Apparatus for Opening a Vessel
5,702,606	12/30/1997	08/560,439	11/17/1995	Peter, Jr., Frederick H., et al.	Method of Priming Dialyzer
5,690,831	11/25/1997	08/559,124	11/17/1995	Kenley, Rodney S., et al.	Method for Rinsing Back Blood to a Hemodialysis Patient
5,690,821	11/25/1997	08/560,305	11/17/1995	Kenley, Rodney S., et al.	Apparatus for Supplying a Batch of Chemicals to a Dialysate Tank
5,674,404	10/07/1997	08/558,213	04/30/1996	Kenley, Rodney S., et al.	Filter Integrity Test Method for Dialysis Machines
5,674,397	10/07/1997	08/559,933	02/05/1996	Pawlak, Kenneth E. and Wroblewski, Steven J.	Debubblers
5,674,390	10/07/1997	08/560,502	03/01/1996	Matthews, Dawn and Treu, Dennis M.	Dialysis Machine with Leakage Detection
5,670,050	09/23/1997	08/560,335	11/17/1995	Brose, Tom L., et al.	Method for Detection of Leakage of Blood
5,658,456	08/19/1997	08/559,148	11/17/1995	Kenley, Rodney S., et al.	Batch Chemical Vessel with Machine Readable Indicator
5,651,893	07/29/1997	08/582,137	01/02/1996	Kenley, Rodney S. and Treu, Dennis M.	Disinfection of Dialysis Machine
5,645,734	07/08/1997	08/559,090	02/23/1995	Kenley, Rodney S., et al.	Dialysate Separation Method
5,630,935	05/20/1997	08/560,017	11/17/1995	Treu, Dennis M.	Pressure Relief Device with Sample Removal Port
5,591,344	01/07/1997	08/388,275	02/13/1995	Kenley, Rodney S., et al.	Hot Water Disinfection of Dialysis Machines, Including the Extracorporeal Circuit Thereof

Patent No.	Issue Date	Application No.	Date Filed	Named Inventors	Title
D403,079	12/22/1998	D/080,688	12/12/1997	Pawlak, Kenneth E., et al.	Chemical Vessel
D383,842	09/16/1997	D/052,303	04/01/1996	Kenley, Rodney S., et al.	Dialysis Machine
D435,649	12/26/2000	D/112,250	10/12/1999	Shah, Dilip H., et al.	Bottles for Dialysis Machine
D435,648	12/26/2000	D/112,249	10/12/1999	Shah, Dilip H., et al.	Bottles for Dialysis Machine
D435,647	12/26/2000	D/112,244	10/12/1999	Shah, Dilip H., et al.	Bottles for Dialysis Machine
D435,646	12/26/2000	D/112,243	10/12/1999	Shah, Dilip H., et al.	Bottles for Dialysis Machine
D395,517	06/23/1998	D/057,448	07/25/1996	Pawlak, Kenneth E.	Chemical Vessel
D395,085	06/09/1998	D/070,062	04/25/1997	Kenley, Rodney S., et al.	Dialysis Machine

**APPENDIX A-1 (CONTINUED)**  
**UNITED STATES**  
**PATENTS AND APPLICATIONS**  
**PENDING APPLICATIONS**

Patent No.	Issue Date	Application No.	Date Filed	Inventors	Title
		13/786,806	03/06/2013	Shah, Dilip H. and Ing, Todd	Citrate-Based Dialysate Chemical Formulations
		14/032,940	09/20/2013	Rodney S. Kenley	Devices, Systems and Methods for Cleaning, Disinfecting, Rinsing, and Priming Blood Separation Devices and Associated Fluid Lines
		14/269,602	05/05/14	Shah, Dilip H. and Ing, Todd	Citrate-Based Dialysate Chemical Formulations

**APPENDIX A-2  
AUSTRALIAN  
PATENTS AND PATENT APPLICATIONS  
ISSUED PATENTS**

<b>Patent No.</b>	<b>Application No.</b>	<b>Dated Filed</b>	<b>Inventors</b>	<b>Title</b>
698,545	199644449	09/02/1996	Kenley, Rodney S., et al.	Modular Home Dialysis System
759,206 (lapsed)	200016907 (8/31/2006)	12/21/1999	Moriyama, Naohiko	An Apparatus for Preparing a Fluid for a Medical Procedure

**APPLICATIONS**

<b>Patent No.</b>	<b>Application No.</b>	<b>Dated Filed</b>	<b>Inventors</b>	<b>Title</b>
(lapsed)	2003212044 (6/28/2006)	07/10/2003	Deguchi, Tsuneo, et al.	An Apparatus for Preparing a Fluid for a Medical Procedure
(lapsed)	200016907 (8/3/2006)	12/21/1999	Moriyama, Naohiko	An Apparatus for Preparing a Fluid for a Medical Procedure
(lapsed)	199914618 (5/24/2001)	11/17/1998	Kenley, Rodney S., et al.	Blood Tubing Integrity Test for Extracorporeal Circuits
(lapsed)	199893927 (7/20/2000)	09/11/1998	Kjellstand, Carl M.	Blood Line Separation Warning Device for Extracorporeal Circuits
(lapsed)	199740566 (11/25/1999)	02/14/1997	Kenley, Rodney S., et al.	Dialysis Machine with Touch Screen User Interface
(lapsed)	199739766 (6/10/1999)	09/11/1996	Kenley, Rodney S., et al.	Batch Quantity Dialysate Chemical Formulations
(lapsed)	199649779 (11/6/1997)	02/13/1995	Kenley, Rodney S.	Modular Home Dialysis System

**APPENDIX A-3  
BRAZILIAN  
PATENTS AND PATENT APPLICATIONS**

**APPLICATIONS**

<b>Patent No.</b>	<b>Issue Date</b>	<b>Application No.</b>	<b>Date Filed</b>	<b>Named Inventors</b>	<b>Title</b>
		PI0813462-6	06/27/2008	Rodney S. Kenley	Devices, Systems and Methods for Cleaning, Disinfecting, Rinsing, and Priming Blood Separation Devices and Associated Fluid Lines  Acquired pursuant to Assignment Agreement between Rodney S. Kenley and HHD.

**APPENDIX A-4  
CANADIAN  
PATENTS AND PATENT APPLICATIONS**

**ISSUED PATENTS**

<b>Patent No.</b>	<b>Issue Date</b>	<b>Dated Filed</b>	<b>Inventors</b>	<b>Title</b>
2,168,629	11/23/1999	02/01/1996	Kenley, Rodney S., et al.	Hot Water Disinfection of Dialysis Machines
2,271,583	04/09/2002	02/01/1996	Matthew, Dawn, et al.	Separation of Dialysate in Tank
2,271,586	05/14/2002	02/01/1996	Peter Jr., Frederick H., et al.	Methods of Determining Sodium Clearance of Dialyzer
2,271,595	05/06/2003	02/01/1996	Peter Jr., Frederick H., et al.	Method of Priming Dialyzer
2,271,598	06/11/2002	02/01/1996	Brose, Tom L., et al.	Modular Home Dialysis System/Withdrawal of Priming Solution from EC
2,274,533	07/02/2002	08/12/1997	Barrett, Shawn O., et al.	Dialysis Machine with Touch Screen User Interface

**APPLICATIONS**

<b>Application No.</b>	<b>Issue Date</b>	<b>Dated Filed</b>	<b>Inventors</b>	<b>Title</b>
2,356,365 (lapsed)	(12/21/2006)	12/21/1999	Imia, Ken, et al.	An Apparatus for Preparing Fluid for a Medical Procedure
2,691,655 (lapsed)		12/22/2009	Rodney S. Kenley  Acquired pursuant to Assignment Agreement between Rodney S. Kenley and HHD.	Devices, Systems and Methods for Cleaning, Disinfecting, Rinsing, and Priming Blood Separation Devices and Associated Fluid Lines

**APPENDIX A-5**  
**EUROPEAN PATENT OFFICE**  
**PATENTS AND PATENT APPLICATIONS**

**EUROPEAN PATENT OFFICE**

<b>Patent No.</b>	<b>Issue Date</b>	<b>Application No.</b>	<b>Date Filed</b>	<b>Title</b>
EP0959980	06/29/2005	EP1997938177.9	08/12/1997	Dialysis Machines with Touch Screen User Interface
EP1025427	03/21/2007	EP1998958614.4	11/17/1998	Blood Tubing Set Integrity Tests for Extracorporeal Circuits
EP0846470	08/24/2003	EP1997121592.6	12/08/1997	Dialysate Conductivity Adjustment in a Batch Dialysate Preparation System
EP1457219		EP200414467 A	12/21/1999	Cutter for Partially Cutting a Membrane
EP1140251	07/21/2004	EP1999959932A	12/21/1999	Opener for Opening the Membrane of a Medicament Vessel
		EP08781058.6	01/13/2010	Devices, Systems and Methods for Cleaning, Disinfecting, Rinsing, and Priming Blood Separation Devices and Associated Fluid Lines  Acquired pursuant to Assignment Agreement between Rodney S. Kenley and HDD.
		EP13192914.3	06/27/2008	Devices, Systems, and Methods for Cleaning, Disinfecting, Rinsing and Priming Blood Separation Devices and Associated Fluid Lines

**FRANCE**

<b>Patent No.</b>	<b>Issue Date</b>	<b>Application No.</b>	<b>Date Filed</b>	<b>Title</b>
0959980	06/29/2005	1997938177.9	08/12/1997	Dialysis Machines with Touch Screen User Interface
EP1025427	03/21/2007	EP1998958614.4	11/17/1998	Blood Tubing Set Integrity Tests for Extracorporeal Circuits

**APPENDIX A-5  
EUROPEAN PATENT OFFICE  
ISSUED PATENTS AND PENDING APPLICATIONS**

**GERMANY**

<b>Patent No.</b>	<b>Issue Date</b>	<b>Application No.</b>	<b>Date Filed</b>	<b>Title</b>
0959980	06/29/2005	1997938177.9	08/12/1997	Dialysis Machines with Touch Screen User Interface
19605260	04/03/2008	19605260.2	02/13/1996	Dialysis Machines with Touch Screen User Interface
19655223	03/06/2008	19655223.0	02/13/1996	Dialysis Machines with Touch Screen User Interface
19655225	03/06/2008	19655225.7	02/13/1996	Dialysis Machines with Touch Screen User Interface
19655226	01/15/2009	19655226.5	02/13/1996	Dialysis Machines with Touch Screen User Interface
19655227	08/27/2009	19655227.3	02/13/1996	Dialysis Machines with Touch Screen User Interface
19655228	09/18/2008	19655228.1	02/13/1996	Modular Home Dialysis System (cassette debubblers)
19655230	04/02/2009	19655230.3	02/13/1996	Dialysis Machines with Touch Screen User Interface
0846470	09/24/2003	69725104.7	12/08/1997	Dialysate Conductivity Adjustment in a Batch Dialysate Preparation System
10112848	09/11/2008	10112848.7	03/16/2001	Calibration of Pumps, Such as Blood Pumps of Dialysis Machines
DE102005035472A1	(Abandoned)	DE 102005035472A	07/28/2005	Chemische Dialysatformulierungen Auf Citratbasis
DE 19655224	11/16/2006	DE 19655224A	02/13/1996	Dialysattrennung In Einem Modularen Heimdialysesystem
		19655434.9	02/13/1996	Method for Detecting Leakage of Blood
1025427	03/21/2007	98958614.4	11/17/1998	Blood Tubing Set Integrity Tests for Extracorporeal Circuits



**APPENDIX A-5**  
**EUROPEAN PATENT OFFICE**  
**ISSUED PATENTS AND PENDING PATENT APPLICATIONS**

**GERMANY (CONTINUED)**

<b>Patent No.</b>	<b>Issue Date</b>	<b>Application No.</b>	<b>Date Filed</b>	<b>Title</b>
DE69733669T2		DE69733669A	08/12/1997	Dialysemaschinen Mit Einem BerOhrungsempfindlichen Bildschirm Als Benutzerschnittstelle
DE69733669CO				Dialysemaschinen Mit Einem BerOhrungsempfindlichen Bildschirm Als Benutzerschnittstelle
DE69725104T2		DE69725104A	12/08/1997	Batch Dialysate Conductivity Adjustment in a Batch Dialysate Preparation System
DE69725104CO			12/06/1997	Justierung Der Dialysatsleitf Higkeit In Einem Chargenweisen Dialysatsherslellungsverfahren
DE10112848A1		DE10112848A	03/16/2001	Pump Operating Method for Blood Pump of Dialysis Apparatus by Calibrating Flow-Rate while Inlet Pressure is at Average Pressure
DE19605260A1		DE19605260.2	01/31/2001	Modulares Heimdialysesystem
DE102005020941A1 (lapsed)	(3/27/2008)	DE 1 02005020941A1	05/04/2005	Verfahren Zum Aufbringen Eines Trennmittels Auf Eine Form
DE69918860T2		DE69918860A	12/21/1999	Offner Zum Offnen Der Membrane Eines Medikamentenbehalters
DE69918860CO			12/21/1999	Offner Zum Offnen Der Membrane Eines Medikamentenbehalters
		102005035472.6	07/28/2005	Citrate-Based Dialysate Chemical Formulations

**APPENDIX A-5  
EUROPEAN PATENT OFFICE  
ISSUED PATENTS AND PENDING PATENT APPLICATIONS**

**ITALY**

<b>Patent No.</b>	<b>Issue Date</b>	<b>Application No.</b>	<b>Date Filed</b>	<b>Title</b>
0959980	06/29/2005	97938177.9	08/12/1997	Dialysis Machines with Touch Screen User Interface
1025427	03/21/2007	1998958614.4	11/17/1998	Blood Tubing Set Integrity Tests for Extracorporeal Circuits

**SWEDEN**

<b>Patent No.</b>	<b>Issue Date</b>	<b>Application No.</b>	<b>Date Filed</b>	<b>Title</b>
1025427	03/21/2007	1998958614.4	11/17/1998	Blood Tubing Set Integrity Tests for Extracorporeal Circuits

**APPENDIX A-5**  
**EUROPEAN PATENT OFFICE**  
**ISSUED PATENTS AND PENDING PATENT APPLICATIONS**

**UNITED KINGDOM**

<b>Patent No.</b>	<b>Issue Date</b>	<b>Application No.</b>	<b>Date Filed</b>	<b>Title</b>
0959980	06/29/2005	1997938177.9	08/12/1997	Dialysis Machines with Touch Screen User Interface
0846470	09/24/2003	69725104.7	12/08/1997	Dialysate Conductivity Adjustment in a Batch Dialysate Preparation System
GB2,229,066 (withdrawn)	(2/12/1992)			Hot Water Disinfection of Dialysis Machines
GB2,310,602	07/08/1998	GB9705433.2	02/13/1996	Disinfection Manifold Port Construction
GB2,310,615	04/15/1998	GB9705393.8	02/13/1996	Dialysate Separation Method
GB2,310,617	04/08/1998	GB9706343.2	02/13/1996	Dialysate Filter Integrity Test for Dialysate Machines
GB2,310,616	04/08/1998	GB9706342.4	02/13/1996	Withdrawal of Priming Fluid for Extracorporeal Circuit
GB2,310,618	03/09/1997	GB9706344.0	02/13/1996	Sodium Clearance Test Method for Dialysis Machines
GB2,299,026	12/22/1998	GB9602941.8	02/13/1996	Modular Home Dialysis System
GB2,367,594	09/17/2002	GB0106638.0	03/16/2001	Calibration of Pumps, Such as Blood Pumps for Dialysis Machines
GB2,320,210	11/25/1998	GB9802830.1	02/13/1996	Automatic Priming
GB2,320,209	10/27/1998	GB9802831.9	02/13/1996	Cassette Debubbler
D2,059,590	(Abandoned)			
	(Abandoned)	GB0517038.6	08/19/2005	Citrate-Based Dialysate Chemical Formulations
1140251	07/21/2004	GB99959932.7	12/21/1999	Opener for Opening the Membrane of a Medicament
2310613	09/03/1997	GB9705372.2	02/13/1996	Backflushing During Dialysis
1025427	03/21/2007	GB98958614.4	11/17/1998	Blood Tubing Set Integrity Tests for Extracorporeal Circuits

**APPENDIX A-6  
JAPANESE  
PATENTS AND APPLICATIONS**

<b>MBHB Docket No.</b>	<b>Publication No.</b>	<b>Patent No.</b>	<b>Issue Date</b>	<b>App. No.</b>	<b>File Date</b>	<b>Title</b>	<b>Inventors</b>
11-852- WO-JP		JP 5767474	06/26/2015	2010-515165	01/04/2010	Devices, Systems and Methods for Cleaning, Disinfecting, Rinsing, and Priming Blood Separation Devices and Associated Fluid Lines  Acquired pursuant to Assignment Agreement between Rodney S. Kenley and HHD.	Rodney S. Kenley
	JP2006-056873	Abandoned		2005-153448	05/06/2005	Chemical Preparation for Dialysis Using Citrate Salt as Base	Shah, Dilip H. and Ing, Todd
94-1230- PP1	JP2004-000479	JP03834553	07/28/2006	2003-29641	02/06/2003	Modular Type Home Dialysis System	Kenley, Rodney S., et al.
	JP2003-245344			2003-029402	02/09/1996	Modular Type Home Dialysis System	Kenley, Rodney S., et al.
94-1230- PP4	JP2003-235966	JP03802494	05/12/2006	2003-029462	02/06/2003	Modular Type Home Dialysis System/ Dialyzer Clearance Test	Kenley, Rodney S., et al.
94-1230- PP2	JP2003-235965	JP03802495	05/12/2006	2003-029540	02/06/2003	Modular Type Home Dialysis System/Dialyzer Integrity Test	Kenley, Rodney S., et al.

MBHB Docket No.	Publication No.	Patent No.	Issue Date	App. No.	File Date	Title	Inventors
94-1230-PP3	JP2003235963	JP03802496	05/12/2006	2003029601	02/09/1996	Modular Type At-Home Artificial Dialysis System	Kenley, Rodney S., et al.
94-1230-PP6	JP2003235961	JP03834552	07/28/2006	200329320	02/19/1996	Modular Type At-Home Artificial Dialysis System	Kenley, Rodney S., et al.
94-1230-PP5	JP2003199821	JP3802493	05/12/2006	2003029352	02/09/1996	Modular Type Home Dialyzing System	Kenley, Rodney S., et al.
94-1230-PP8	JP2003199819	3802497	05/12/2006	2003030963	02/09/1996	Modular Type At-Home Artificial Dialysis System	Kenley, Rodney S., et al.
94,1230-PP8	JP2003199819	JP03802497	05/12/2006	2003030963	09/22/2003	Modular Type At-Home Artificial Dialysis System	Kenley, Rodney S., et al.
97,747-B1	JP2003175101	JP03732820	10/21/2005	2002296987	11/17/1998	Method for Testing Perfectness of Blood Tube Set for Extracorporeal Circuit/Blood Set Tube Integrity Test for Extracorporeal Circuit	
94,1230-PP5	JP2003029352	JP03802493	05/12/2006	200329352	02/06/2003	Modular Type Home Dialysis System	Kenley, Rodney S., et al.
99-511-A	JP2001346869			20011174439	04/16/2001	Bottle, Kit, Medicine filling Device and Identifying Method	Shah, Dilip H., et al.
99,986-C	JP2001276214	JP03581323	07/30/2004	200176796	03/16/2001	Calibration Method and Control Method	Fredericks, Chris N.
	JP2000176007			1998362828	12/21/1998	Dialyzing Fluid Preparing Device	Moriyama, Naohiko
	JP09000618			1996025705	02/13/1996	Artificial Kidney Apparatus	Kenley, et al.

97,747-B	2000567928	JP03393861	01/31/2003	2005067928	11/17/1998	Blood Tube Set Integrity Tests for Extracorporeal Circuits	
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MBHB Docket No.	Publication No.	Patent No.	Issue Date	App. No.	File Date	Title	Inventors
96,965-B	1998201842/1 0-201842	JP03025669	01/21/2000	1997337214/ 09-337214	12/08/1997	Method for Adjusting Electric Conductivity of Dialyzate Batch of Dialysis Apparatus and Apparatus Therefor	Shah, Dilip H. and Feldstein, Thomas M.
94,1230- GGG		JP03441295	03/20/2003	10-535701	08/12/1997	User Interface and Method for Control of Dialysis Machines	
95,1118- E	(Abandoned)	JP D1,018,609				Japanese Design Registration for Dialysis Machine	
99,570- E1	(Abandoned)	JP D1,114,580	05/11/2001	D20009564	04/12/2000	Japanese Design Registration for Dialysis Bottles	
99,570- E2	(Abandoned)	JP D1,114,984	05/11/2001	D20009564	04/12/2000	Japanese Design Registration for Dialysis Bottles	
99,570- E3	(Abandoned)	JP D1,114,985	05/11/2001	D20009564	04/12/2000	Japanese Design Registration for Dialysis Bottles	
99,570- E4	(Abandoned)	JP D1,114,986	05/11/2001	D20009564	04/12/2000	Japanese Design Registration for Dialysis Bottles	
04-544-C	(Abandoned)			2005-153448	05/26/2005	Citrate-Based Dialysate Chemical Formulations	

**APPENDIX A-7  
MEXICAN  
PATENTS AND PATENT APPLICATIONS**

**APPLICATIONS**

<b>Patent No.</b>	<b>Issue Date</b>	<b>Application No.</b>	<b>Date Filed</b>	<b>Inventors</b>	<b>Title</b>
		MX/A/2010000349	06/27/2008	Rodney S. Kenley	Devices, Systems and Methods for Cleaning, Disinfecting, Rinsing, and Priming Blood Separation Devices and Associated Fluid Lines