

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Durus Life Sciences Master Fund, Ltd., A Caymen Islands Exempted Company	03/07/2007

RECEIVING PARTY DATA	
Name:	HHD LLC, a Delaware limited liability company
Street Address:	c/o Pepe & Hazard
Internal Address:	225 Franklin Street, 16th Floor
City:	Boston
State/Country:	MASSACHUSETTS
Postal Code:	02110

PROPERTY NUMBERS Total: 44

Property Type	Number
Patent Number:	7048898
Patent Number:	6868309
Patent Number:	6691047
Patent Number:	6355161
Patent Number:	6280634
Patent Number:	6153102
Patent Number:	6146523
Patent Number:	6136201
Patent Number:	6132616
Patent Number:	6044691
Patent Number:	5932110
Patent Number:	5932103
Patent Number:	5863421
Patent Number:	5858239

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Patent Number:	5788851
Patent Number:	5788099
Patent Number:	5783072
Patent Number:	5762782
Patent Number:	5725776
Patent Number:	5716531
Patent Number:	5714060
Patent Number:	5707086
Patent Number:	5705066
Patent Number:	5702606
Patent Number:	5690831
Patent Number:	5690821
Patent Number:	5674404
Patent Number:	5674397
Patent Number:	5674390
Patent Number:	5670050
Patent Number:	5658456
Patent Number:	5651893
Patent Number:	5645734
Patent Number:	5630935
Patent Number:	5591344
Patent Number:	D403079
Patent Number:	D383842
Patent Number:	D435649
Patent Number:	D435648
Patent Number:	D435647
Patent Number:	D435646
Patent Number:	D395517
Patent Number:	D395085
Application Number:	10921677

CORRESPONDENCE DATA

Fax Number: (617)748-5555

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 617-748-5511

Email: mtoohey@tooheylaw.com

Correspondent Name: Maureen K. Toohey
Address Line 1: 225 Franklin Street
Address Line 2: 16th Floor
Address Line 4: Boston, MASSACHUSETTS 02110

NAME OF SUBMITTER:

Maureen K. Toohey

Total Attachments: 14

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PATENT ASSIGNMENT

WHEREAS, DURUS LIFE SCIENCES MASTER FUND, LTD., (hereinafter "Assignor"), a Cayman Islands Exempted Company, having a business address in c/o International Fund Services (Ireland), Ltd., 3rd Floor, Bishops Square, Dublin 2, Ireland, owned certain right, title and interest in and to the inventions disclosed in the United States patent applications and United States patents on the schedule attached hereto and incorporated herein by reference as Exhibit A and in and to such patent applications and such patents;

WHEREAS, pursuant to that certain Agreement and Bill of Sale dated as of March 7, 2007 ("Agreement and Bill of Sale") between Assignor and HHD LLC (hereinafter "Assignee"), a Delaware limited liability company, having a business address in c/o Pepe & Hazard LLC, 225 Franklin Street, Boston, MA, Assignor has sold, assigned and transferred to Assignee all of its right, title and interest in and to the patents and patent applications set forth on Exhibit A,

WHEREAS, Assignor is executing this Patent Assignment to confirm and acknowledge for recording purposes that it has assigned and transferred all of its right, title and interest in and to the patents and patent applications set forth on Exhibit A to Assignee pursuant to the Agreement and Bill of Sale;

NOW, THEREFORE, Assignor hereby acknowledges and confirms that, for good and valuable consideration, receipt of which is hereby acknowledged, Assignor has sold, assigned and transferred to Assignee, its successors and assigns, its entire right, title and interest in and to such inventions, such patent applications and such patents and any patents, and any reissues and extensions thereof, which issue or have issued in any country upon patent applications which correspond with any of such applications or patents or any divisional, continuation-in-whole, or continuation-in-part thereof, including the right to sue and collect for past infringement; the same to be held and enjoyed by Assignee for its own use, and for the use of its legal representatives, to the full term for

which such patents have been granted as fully and entirely as the same would have been held by Assignor had such assignment not been made.

For good and valuable consideration, receipt of which is hereby acknowledged, Assignor does hereby further covenant and agree that it will not execute any writing or do any act whatsoever conflicting with these presents, and that Assignor will at any time upon reasonable request without further additional consideration, but at the expense of Assignee, its successors and assigns, use reasonable best efforts to execute such additional writings and do such additional acts as Assignee, its successors and assigns, may determine as necessary or desirable in the enjoyment of such grant, and in any proceedings or transactions involving such inventions, patent applications or patents.

IN WITNESS WHEREOF, Assignor has caused this Patent Assignment to be executed as of the date indicated below.

DURUS LIFE SCIENCES MASTER FUND, LTD.

By: *Gretchen C. Piller*
Name:
Address:
Title:

Date: March 7, 2007

CERTIFICATE OF ACKNOWLEDGMENT

STATE OF New York
COUNTY OF New York

Before me, the undersigned, a Notary Public in and for the county aforesaid, on this 7th day of March, 2007, Gretchen C. Piller personally appeared and who being by me duly sworn, deposes and says that she is the Director of Durus Life Sciences Master Fund, Ltd. and that he/she is authorized to sign and has signed the foregoing instrument as such Director for Durus Life Sciences Master Fund, Ltd. and that he/she acknowledges such signing to be the free act and deed of Durus Life Sciences Master Fund, Ltd..

Mark D. Waterson
Notary Public

My Commission Expires:

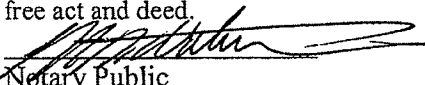

MARK D. WATTERSON
Notary Public, State of New York
No. 01WA4894182
Qualified in New York County
Commission Expires May 28, 2007

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WITNESS OF EXECUTION BY ASSIGNOR

Witness #1 Signature: <u>Eileen B. Spencer</u> Name: <u>EILEEN B. SPENCER</u> Address: <u>505 PARK AVE. NY NY 10022</u>	Witness #2 Signature: <u>Margaret D. Hauck</u> Name: <u>Margaret D. Hauck</u> Address: <u>505 Park Ave, NY, NY 10022</u>
NOTARIZATION OF WITNESS	NOTARIZATION OF WITNESS
STATE OF <u>New York</u> COUNTY OF <u>New York</u>	STATE OF <u>New York</u> COUNTY OF <u>New York</u>
Before me, the undersigned, a Notary Public in and for the county aforesaid, on this <u>7th</u> day of <u>March</u> , 2007, <u>Eileen B. Spencer</u> personally appeared and who being by me duly sworn, deposes and says that he has witnessed the execution of this Assignment by the <u>Director</u> of Durus Life Sciences Master Fund, Ltd. and that he/she acknowledges such signing to be his/her free act and deed.	Before me, the undersigned, a Notary Public in and for the county aforesaid, on this <u>7th</u> day of <u>March</u> , 2007, <u>Margaret D. Hauck</u> personally appeared and who being by me duly sworn, deposes and says that he has witnessed the execution of this Assignment by the <u>Director</u> of Durus Life Sciences Master Fund, Ltd. and that he/she acknowledges such signing to be his/her free act and deed.
 Notary Public	 Notary Public
My Commission Expires: MARK D. WATTERSON Notary Public, State of New York No. 01WA4894192 Qualified in New York County Commission Expires May 26, 2007	My Commission Expires: MARK D. WATTERSON Notary Public, State of New York No. 01WA4894192 Qualified in New York County Commission Expires May 26, 2007
(seal)	(seal)

DECLARATION OF ACCEPTANCE BY ASSIGNEE

The above named Assignee, HHD LLC, hereby declares that with effect from this 7 day of March, 2007, it accepts the patents, including all goodwill of the business symbolized by such patents including all rights to recover past, present and future damages for infringement, assigned to it by Assignor, Durus Life Sciences Master Fund, Ltd. , pursuant to the foregoing Patent Assignment.

HHD LLC

By: Brendan J. O'Leary Date: March 8, 2007
Name: Brendan J. O'Leary
Address: 10 Farmhouse Wood Bedford NH 03110
Title: Secretary

CERTIFICATE OF ACKNOWLEDGMENT

STATE OF New Hampshire
COUNTY OF Nulaisport

Before me, the undersigned, a Notary Public in and for the county aforesaid, on this 8 day of March, 2007, Brendan J. O'Leary personally appeared and who being by me duly sworn, deposes and says that he is the Secretary of HHD LLC and that he/she is authorized to sign and has signed the foregoing instrument as such Secretary of HHD LLC and that he/she acknowledges such signing to be the free act and deed of HHD LLC.

Michael A. Kennel
Notary Public
MY COMMISSION EXPIRES MAR. 23, 2010
Commission Expires: 3/23/2010

WITNESS OF EXECUTION BY ASSIGNEE

Witness #1 Signature: <u>Heather Woods</u> Name: <u>Heather Woods</u> Address: <u>410 Walnut Street, Manchester, NH 03104</u>	Witness #2 Signature: <u>Donna Tamazian</u> Name: <u>Donna Tamazian</u> Address: <u>21 Moonlight Row Ln, Bedford NH 03110</u>
<u>NOTARIZATION OF WITNESS</u>	<u>NOTARIZATION OF WITNESS</u>
STATE OF <u>New Hampshire</u> COUNTY OF <u>Hillsborough</u>	STATE OF <u>New Hampshire</u> COUNTY OF <u>Hillsborough</u>
Before me, the undersigned, a Notary Public in and for the county aforesaid, on this <u>8th</u> day of <u>March</u> , 2007, <u>Heather Woods</u> personally appeared and who being by me duly sworn, deposes and says that he has witnessed the execution of this Assignment by the <u>Secretary</u> of HHD LLC and that he/she acknowledges such signing to be his/her free act and deed.	Before me, the undersigned, a Notary Public in and for the county aforesaid, on this <u>8th</u> day of <u>March</u> , 2007, <u>Donna Tamazian</u> personally appeared and who being by me duly sworn, deposes and says that he has witnessed the execution of this Assignment by the <u>Secretary</u> of HHD LLC and that he/she acknowledges such signing to be his/her free act and deed.
Notary Public <u>Carol A. Kennedy</u> My Commission Expires: <u>3/23/2010</u>	Notary Public <u>Carol A. Kennedy</u> My Commission Expires: <u>3/23/2010</u>
(seal)	(seal)

EXHIBIT A

ISSUED PATENTS

Patent No.	Issue Date	Application No.	Date Filed	Named Inventors	Title
7,048,898	5/23/2006	09/868,580	12/21/1999	Moriyama, Naohiko, et al.	Apparatus For Preparing A Medical Patient For A Medical Procedure
6,868,309	3/15/2005	09/961,735	09/24/2001	Begelman, Jamie	Dialysis Machine With Symmetric Multi-Processing (SMP) Control System And Method Of Operation
6,691,047	2/10/2004	09/527,327	03/16/2000	Fredricks, Chris N.	Calibration Of Pumps, Such As Blood Pumps Of Dialysis Machines
6,355,161	3/12/2002	09/549,897	04/14/2000	Shah, Dilip H., et al.	Bottles For Dialysis Machines And Methods For Automatically Identifying Such Bottles
6,280,634	8/28/2001	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	11/7/1994	Twardowski, Zbylut, J. and Kenley, Rodney S.	Artificial Kidney For Frequent (Daily) Hemodialysis
5,336,165	8/9/1994	07/748,036	8/21/1991	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	4/12/1999	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	1/16/1996	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)
5,902,476	5/11/1999	08/829,537	3/28/1997	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	4/25/2000	09/140,483	08/26/1998	Kenley, Rodney S., et al.	Blood Tubing Integrity Tests For Extracorporeal Circuits
5,932,110	8/3/1999	08/762,072	12/09/1996	Shah, Dilip H. and Feldstein, Thomas M.	Conductivity Adjustment In Batch Dialysate Preparation System
5,932,103	8/3/1999	08/938,111	09/26/1997	Kenley, Rodney S. and Schroeder, Christine F.	Withdrawal Of Priming Solution From Extracorporeal Circuit
5,863,421	1/26/1999	08/929,943	09/15/1997	Peter, Jr., Fredrick H., et al.	System For Priming Dialyzer
5,858,239	1/12/1999	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	8/4/1998	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	8/4/1998	08/660,694	06/05/1996	Treu, Dennis M.	Vessel For Containing Batch Quantities Of Dialysate Chemicals
5,783,072	7/21/1998	08/842,184	04/23/1997	Kenley, Rodney S., et al.	Lightweight Noncompliant Dialysate Solution Tank
5,762,782	6/9/1998	08/895,385	07/16/1997	Kenley, Rodney S., et al.	Water Treatment For Dialysate Preparation

5,725,776	3/10/1998	08/560,334	03/01/1996	Kenley, Rodney S., et al.	Methods For Ultrafiltration Control In Hemodialysis
5,716,531	2/10/1998	08/893,125	07/15/1997	Kenley, Rodney S., et al.	Method For Determining Sodium Clearance Of Dialyzer
5,714,060	2/3/1998	08/707,509	09/04/1996	Kenley, Rodney S., et al.	Disinfection Of Arterial And Venous Line Connectors Of Dialysis Machine
5,707,086	1/13/1998	08/559,834	03/14/1996	Kenley, Rodney S., et al.	Tubing Connectors And Ports For Receiving The Connectors
5,705,066	1/6/1998	08/558,215	04/16/1996	Treu, Dennis and Walker, Donald C.	Apparatus For Opening A Vessel
5,702,606	12/30/1997	08/560,439	11/17/1995	Peter, Jr., Fredrick 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	10/7/1997.	08/558,213	04/30/1996	Kenley, Rodney S., et al.	Filter Integrity Test Method For Dialysis Machines
5,674,397	10/7/1997.	08/559,933	February 5, 1996	Pawlak, Kenneth E. and Wroblewski, Steven J.	Debubblers

5,674,390	10/7/1997	08/560,502	03/01/1996	Matthews, Dawn and Treu, Dennis	Dialysis Machine With Leakage Detection
5,670,050	9/23/1997.	08/560,335	11/17/1995	Brose, Tom L.	Method For Detection Of Leakage Of Blood
5,658,456	8/19/1997	08/559,148	11/17/1995	Kenley, Rodney S., et al.	Batch Chemical Vessel With Machine- Readable Indicator
5,651,893	7/29/1997	08/582,137	01/02/1996	Kenley, Rodney S. and Treu, Dennis	Disinfection Of Dialysis Machines
5,645,734	7/8/1997	08/559,090	02/23/1995	Kenley, Rodney S., et al.	Dialysate Separation Method
5,630,935	5/20/1997	08/560,017	11/17/1995	Treu, Dennis	Pressure Relief Device With Sample Removal Port
5,591,344	1/7/1997	08/388,275	02/13/1995	Kenley, Rodney S., et al.	Hot Water Disinfection Of Dialysis Machines, Including The Extracorporeal Circuit Thereof
D403,079	12/22/1998	D/080,688	12/12/1997	Pawlak, Kenneth E. et al.	Chemical Vessel
D383,842	9/16/1997	D/052,303	4/1/1996	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	6/23/1998	D/057,448	7/25/1996	Pawlak, Kenneth E.	Chemical Vessel
D395,085	6/9/1998	D/070,062	4/25/1997	Kenley, Rodney S., et al.	Dialysis Machine

PENDING APPLICATIONS

Patent No.	Issue Date	Application No.	Date Filed	Inventors	Title
Pending	Pending	10/921,677	08/19/2004	Shah, Dilip H. and Ing, Todd	Citrate-Based Dialysate Chemical Formulations

KNOWN DRAFT APPLICATIONS

Patent No.	Issue Date	Application No.	Date Filed	Inventors	Title
TBD	TBD	TBD	TBD	Shah, Dilip H. et al.	MBHB Docket No. 06594
TBD	TBD	TBD	TBD	TBD	Vessel for Containing Batch Quantities of Dialysate or Other Physiologic Solution Chemicals MBHB Docket No. 94-1230/AAA
TBD	TBD	TBD	TBD	TBD	Vessel for Containing Batch Quantities of Dialysate or Other Physiologic Solution Chemicals MBHB Docket No. 94-1230/CCC

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