

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Thomas D. Kelly	10/13/2008
Marc S. Minkus	10/14/2008
Angelito A. Bernardo	10/14/2008
William P. Burns	10/14/2008
Robert W. Childers	10/13/2008
Shincy J. Maliekkal	11/21/2008
Matthew R. Muller	10/21/2008
Justin B. Rohde	10/13/2008
Michael E. Hogard	10/13/2008

RECEIVING PARTY DATA

Name:	Baxter International Inc.
Street Address:	One Baxter Parkway
City:	Deerfield
State/Country:	ILLINOIS
Postal Code:	60015

Name:	Baxter Healthcare S.A.
Street Address:	Hertistrasse 2, Wallisellen
City:	Zurich
State/Country:	SWITZERLAND
Postal Code:	CH-8304

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12237160

CORRESPONDENCE DATA

500747412

PATENT
REEL: 022067 FRAME: 0786

CH \$40.00 12237160

Fax Number: (312)827-8185

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

Phone: 312-807-4214

Email: patents@bellboyd.com

Correspondent Name: Robert W. Connors

Address Line 1: P.O. Box 1135

Address Line 4: CHICAGO, ILLINOIS 60690-1135

ATTORNEY DOCKET NUMBER:

112713-2104

NAME OF SUBMITTER:

Robert W. Connors

Total Attachments: 10

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Serial No. 12/237,160

Filed: September 24, 2008

Attorney Docket No. SMDI-6435 (112713-2104)

For good and valuable considerations, the receipt and sufficiency whereof are hereby acknowledged, we hereby assign to **BAXTER INTERNATIONAL INC.**, a corporation of Delaware, having a principal place of business at Deerfield, Illinois, its successors, legal representatives and assigns, and to **BAXTER HEALTHCARE S.A.**, a corporation of Switzerland, having a principal place of business at Zurich, Switzerland, its successors, legal representatives and assigns (hereinafter jointly referred to as "assignee") the entire right, title and interest throughout the world, to the extent not previously assigned to assignee, in our invention or improvements in

FLUID AND AIR HANDLING IN BLOOD AND DIALYSIS CIRCUITS

and, effective as of the date of filing, in the above listed application(s) for Letters Patent therefor, executed by each of us individually, and any and all other patent applications in any and all countries which have been or may hereafter be filed, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of any country which may be obtained on any of the said applications, and in any reissue or extension thereof and any applications that claim priority thereto, including any regional and national stage applications.

We hereby authorize and request the patent offices of all countries to issue to the said assignee all patents that may issue on said invention or improvements. We hereby authorize and request the attorneys of record in said application to insert in this assignment the date and serial number and docket number of said applications when officially known.

We warrant ourselves to be the owners of the interest herein assigned and to have the right to make this assignment; and further warrant that there are no outstanding prior assignments, licenses, or other rights to any person or entity other than the assignee in the interest herein assigned.

For said considerations we hereby agree, upon the request and at the expense of said assignee, its successors, legal representatives and assigns, to execute any and all divisional, continuation, and renewal applications for said invention or improvements, and any necessary oath or supplemental oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, including any regional and national stage applications that claim priority thereto, that said assignee, its successors, legal representatives and assigns may deem necessary or expedient, and for the said considerations we further agree, upon the request of said assignee, its successors, legal representatives and assigns, in the event of said application or any continuation or division thereof, or Letters Patent issued thereon, or any reissue or application for the reissue thereof becoming involved in interference, to cooperate to the best of our ability with said assignee, its successors, legal representatives and assigns in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof.

We further agree to perform, upon such request, any and all affirmative acts, including but not limited to execution of any and all documents deemed necessary or expedient by the said assignee or its successors, legal representatives or assigns, to obtain Letters Patent, and vest all rights therein hereby conveyed in the said assignee, its successors, legal representatives and assigns whereby said Letters Patent will be held and enjoyed by the said assignee, its successors, legal representatives and assigns to the end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made, and for the said considerations we hereby also assign to said assignee, its successors, legal representatives and assigns the entire right, title and interest in said invention or improvements for any and all foreign countries and the right of priority for patent and utility model applications in all countries arising under any applicable international convention for the protection of industrial property and/or any internal priority legislation of such countries, and we further agree upon the request of said assignee, its successors, legal representatives and assigns to execute any and all documents that shall be required to be executed in connection with any and all applications for foreign Letters Patent therefor, including the prosecution thereof, and to execute any and all documents necessary to invest title in said foreign applications and patents in said assignee.

WITNESS my hand and seal:

Serial No. 12/237,160

Filed: September 24, 2008

Attorney Docket No. SMDI-6435 (112713-2104)

FLUID AND AIR HANDLING IN BLOOD AND DIALYSIS CIRCUITS

Inventor Name: Thomas D. Kelly

Inventor Name: Marc S. Minkus

Date OCT. 13, 2008

Date _____

Signature Thomas D. Kelly

Signature _____

State of ILLINOIS

State of _____

County of LAKE

County of _____

On 10/13/08 before me, Kimberly M. Graves (Notary Public), personally appeared _____, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

On _____ before me, _____ (Notary Public), personally appeared _____, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

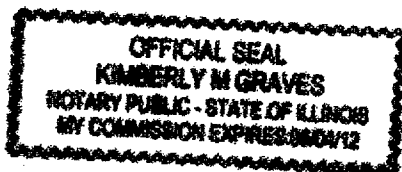
WITNESS my hand and office seal.

WITNESS my hand and office seal.

Notary
Signature Kimberly M. GravesNotary
Signature _____

(Seal)

(Seal)



**Signature Sheet
(Joint Inventors)**

Serial No. 12/237,160

Filed: September 24, 2008

Attorney Docket No. SMDI-8435 (112713-2104)

FLUID AND AIR HANDLING IN BLOOD AND DIALYSIS CIRCUITS

Inventor Name: Thomas D. Kelly

Date _____

Signature _____

State of _____

County of _____

On _____ before me, _____ (Notary Public), personally appeared _____, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and office seal.

Notary
Signature _____

(Seal)

Inventor Name: Marc S. Minkus

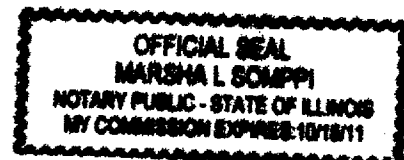
Date 10/14/08Signature Marc S. MinkusState of ILLINOISCounty of LAKE

On 10/14/08 before me, Marsha L. Somppi (Notary Public), personally appeared Marc S. Minkus, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and office seal.

Notary
Signature Marsha L. Somppi

(Seal)



Serial No. 12/237,160

Filed: September 24, 2008

Attorney Docket No. SMDI-6435 (112713-2104)

FLUID AND AIR HANDLING IN BLOOD AND DIALYSIS CIRCUITS

Inventor Name: Angelito A. Bernardo

Inventor Name: William P. Burns

Date October 18, 2008

Date _____

Signature [Signature]

Signature _____

State of Illinois

State of _____

County of Lake

County of _____

On October 18, 2008 before me, [Signature] Notary Public), personally appeared _____, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

On _____ before me, _____ (Notary Public), personally appeared _____, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and office seal.

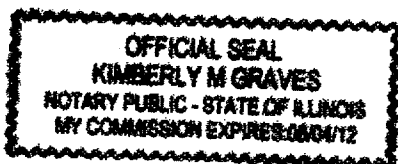
WITNESS my hand and office seal.

Notary Signature [Signature]

Notary Signature _____

(Seal)

(Seal)



Serial No. 12/237,160

Filed: September 24, 2008

Attorney Docket No. SMDI-6435 (112713-2104)

FLUID AND AIR HANDLING IN BLOOD AND DIALYSIS CIRCUITS

Inventor Name: Angelito A. Bernardo

Inventor Name: William P. Burns

Date _____

Date 10/14/08

Signature _____

Signature W P Burns

State of _____

State of WISCONSIN

County of _____

County of MILWAUKEE

On _____ before me, _____ (Notary Public), personally appeared _____, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

On 10/14/08 before me, AMBER TATUM (Notary Public), personally appeared W P Burns, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

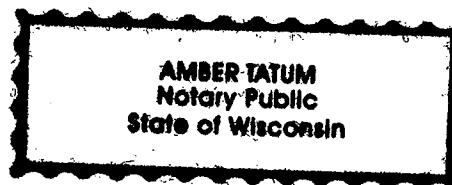
WITNESS my hand and office seal.

WITNESS my hand and office seal.

Notary
Signature _____Notary
Signature Amber Tatum exp. 12/12/10

(Seal)

(Seal)



Serial No. 12/237,160

Filed: September 24, 2008

Attorney Docket No. SMDI-8435 (112713-2104)

FLUID AND AIR HANDLING IN BLOOD AND DIALYSIS CIRCUITS

Inventor Name: Robert W. Childers

Inventor Name: Shincy J. Maliekkal

Date

10/13/2008

Signature

Robert W. Childers

Date

Signature

State of

Florida

County of

Piellas

State of

County of

On 10-13-08 before me, Rhonda Koo (Notary Public), personally appeared _____, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

On _____ before me, _____ (Notary Public), personally appeared _____, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and office seal.

WITNESS my hand and office seal.

Notary

Signature

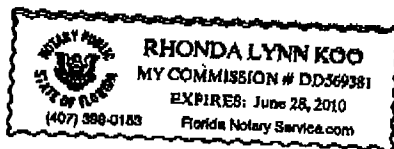
Rhonda Koo

Notary

Signature

(Seal)

(Seal)



Baxter

**Supplemental Signature Sheet
(Joint Inventors)**

Serial No. 12/237,160

Filed: September 24, 2008

Attorney Docket No. SMDI-6435 (112713-2104)

FLUID AND AIR HANDLING IN BLOOD AND DIALYSIS CIRCUITS

Inventor Name: Robert W. Childers

Inventor Name: Shincy J. Maliekkal

Date _____

Date November 21, 2008

Signature _____

Signature [Signature]

State of _____

State of Illinois

County of _____

County of Lake

On _____ before me, _____ (Notary Public), personally appeared _____, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

On 11/21/08 before me, Annamarie MacGillis (Notary Public), personally appeared _____, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and office seal.

WITNESS my hand and office seal.

Notary
Signature _____

Notary
Signature [Signature]

(Seal)

(Seal)



Serial No. 12/237,160

Filed: September 24, 2008

Attorney Docket No. SMDI-6435 (112713-2104)

FLUID AND AIR HANDLING IN BLOOD AND DIALYSIS CIRCUITS

Inventor Name: Matthew R. Muller

Inventor Name: Justin B. Rohde

Date 10/21/08
Signature *Matthew R. Muller*Date _____
Signature _____State of Illinois

State of _____

County of Lake

County of _____

On 10/21/08 before me, Annamarie MacGillis (Notary Public), personally appeared _____, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

On _____ before me, _____ (Notary Public), personally appeared _____, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

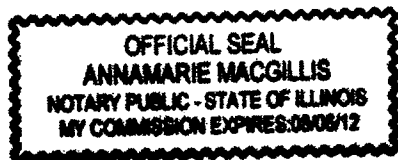
WITNESS my hand and office seal.

WITNESS my hand and office seal.

Notary
Signature*Annamarie MacGillis*Notary
Signature

(Seal)

(Seal)



**Supplemental Signature Sheet
(Joint Inventors)**

Serial No. 12/237,160

Filed: September 24, 2008

Attorney Docket No. SMDI-6435 (112713-2104)

FLUID AND AIR HANDLING IN BLOOD AND DIALYSIS CIRCUITS

Inventor Name: Matthew R. Muller

Inventor Name: Justin B. Rohde

Date _____

Date 10/13/08

Signature _____

Signature Justin B. Rohde

State of _____

State of IL

County of _____

County of Lake

On _____ before me, _____ (Notary Public), personally appeared _____, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

On 10/13/08 before me, Stacey Babinski (Notary Public), personally appeared Justin B. Rohde, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

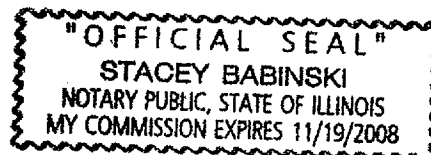
WITNESS my hand and office seal.

WITNESS my hand and office seal.

Notary
Signature _____Notary
Signature Stacey Babinski

(Seal)

(Seal)



Serial No. 12/237,160

Filed: September 24, 2008

Attorney Docket No. SMDI-6435 (112713-2104)

FLUID AND AIR HANDLING IN BLOOD AND DIALYSIS CIRCUITS

Inventor Name: Michael E. Hogard

Inventor Name:

Date

10/13/08

Date

Signature

[Signature]

Signature

State of

Florida

State of

County of

Pinellas

County of

On 10-13-08 before me, Lillian Suzanne McCaffer (Notary Public), personally appeared Michael E. Hogard personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

On _____ before me, _____ (Notary Public), personally appeared _____, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and office seal.

WITNESS my hand and office seal.

Notary

Signature

(Seal)

Lillian Suzanne McCaffer

Notary

Signature

(Seal)

