### PATENT ASSIGNMENT

**Electronic Version v1.1**  
**Stylesheet Version v1.1**

#### SUBMISSION TYPE:  
NEW ASSIGNMENT

#### NATURE OF CONVEYANCE:  
ASSIGNMENT

### CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
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</thead>
<tbody>
<tr>
<td>Robert Childers</td>
<td>03/14/2003</td>
</tr>
<tr>
<td>Richard Avoy</td>
<td>03/14/2003</td>
</tr>
<tr>
<td>John Booras</td>
<td>03/20/2003</td>
</tr>
<tr>
<td>Joseph Bowman</td>
<td>03/17/2003</td>
</tr>
<tr>
<td>Paul Grippio</td>
<td>03/14/2003</td>
</tr>
<tr>
<td>Andrew Hopping</td>
<td>03/14/2003</td>
</tr>
<tr>
<td>David Howard</td>
<td>03/13/2003</td>
</tr>
<tr>
<td>Jeffrey Jerrell</td>
<td>03/14/2003</td>
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<tr>
<td>Benjamin Kellam</td>
<td>03/25/2003</td>
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<tr>
<td>Brian Lauman</td>
<td>03/14/2003</td>
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<td>Sherwin Shang</td>
<td>03/12/2003</td>
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<td>David Vescovi</td>
<td>03/14/2003</td>
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<tr>
<td>Tahua Yang</td>
<td>03/17/2003</td>
</tr>
<tr>
<td>Alex Yu</td>
<td>03/17/2003</td>
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### RECEIVING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Address Details</th>
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<tbody>
<tr>
<td><strong>Name:</strong> Baxter International Inc.</td>
<td><strong>Street Address:</strong> One Baxter Parkway</td>
</tr>
<tr>
<td><strong>Internal Address:</strong> DF2-2W</td>
<td><strong>City:</strong> Deerfield</td>
</tr>
<tr>
<td><strong>State/Country:</strong> ILLINOIS</td>
<td><strong>Postal Code:</strong> 60015</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Address Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Name:</strong> Baxter Healthcare S.A.</td>
<td><strong>Street Address:</strong> Hertistrasse 2</td>
</tr>
<tr>
<td><strong>City:</strong> Wallisellen, Zurich</td>
<td><strong>State/Country:</strong> SWITZERLAND</td>
</tr>
<tr>
<td><strong>Postal Code:</strong> CH-8304</td>
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**PROPERTY NUMBERS Total: 1**
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<tr>
<th>Property Type</th>
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<tr>
<td>Application Number:</td>
<td>11617527</td>
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**CORRESPONDENCE DATA**

Fax Number: (847)948-3078  
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 847-948-2000  
Email: Kim_bardwell@baxter.com  
Correspondent Name: Baxter Healthcare Corporation  
Address Line 1: One Baxter Parkway  
Address Line 2: DF2-2W  
Address Line 4: Deerfield, ILLINOIS 60015

**ATTORNEY DOCKET NUMBER:** SMDI-5817N1 (112713-1507)

**NAME OF SUBMITTER:** Kimberly R. Bardwell

Total Attachments: 6  
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source=assignment#page5.tif  
source=assignment#page6.tif
ASSIGNMENT
(Joint Inventors)

Serial No. 10,335,646
Filed December 31, 2002

In consideration of 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 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 in our invention or improvements in SYSTEMS, METHODS AND APPARATUS FOR PUMPING CASSETTE-BASED THERAPIES

and in the application for Letters Patent of the United States therefor, executed by each of us individually on or before the date(s) indicated below and any and all other United States applications and applications in any and all countries which we may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States or of any other country which may be obtained on any of the said applications, and in any reissue or extension thereof.

We hereby authorize and request the Commissioner of patents to issue said Letters Patent to said ASSIGNEE. We hereby authorize and request the attorneys of record in said application to insert in this assignment the date and serial number of said application 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 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 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 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 to obtain Letters Patent, and vest all rights herein 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 out hand and seal.

Date 3/14/03 Signature Robert W. Childers
Typed Name: Robert W. Childers
State of Florida , County of Pinellas
Signed before me this 14 date of MAR 2003
By ROBERT W. CHILDERS
Inventor

Date 3/14/03 Signature Richard Avoy
Typed Name: Richard Avoy
State of Florida , County of Pinellas
Signed before me this 14 date of MAR 2003
By RICHARD AVOY
Inventor

Robin H Jenkins
My Commission DD84550
Expires January 2008
Notary Public

Date Signature
Typed Name: John Booras
State of Illinois , County of
Signed before me this , date of , 20
By
Inventor

Date Signature
Typed Name: Joseph H. Bowman, Jr.
State of Illinois , County of
Signed before me this , date of , 20
By
Inventor

Notary Public

Notary Public
ASSIGNMENT
(Joint Inventors)

Serial No.10/335,646 Filed December 31, 2002

In consideration of 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 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 in our invention or improvements in

SYSTEMS, METHODS AND APPARATUS FOR PUMPING CASSETTE-BASED THERAPIES

and in the application for Letters Patent of the United States therefor, executed by each of us individually on or before the date(s) indicated below and any and all other United States applications and applications in any and all countries which we may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States or of any other country which may be obtained on any of the said applications, and in any reissue or extension thereof.

We hereby authorize and request the Commissioner of patents to issue said Letters Patent to said ASSIGNEE.

We hereby authorize and request the attorneys of record in said application to insert in this assignment the date and serial number of said application 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 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 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 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 to obtain Letters Patent, and vest all rights therein hereby conveyed to 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 thereof, including the prosecution thereof, and to execute any and all documents necessary to vest title in said foreign applications and patents in said assignee.

WITNESS out hand and seal

Date __________ Signature __________________________
Typed Name: Robert W. Childers
State of Florida County of __________
Signed before me this ______ date of ______ 20__
By ____________________________ Inventor

Date __________ Signature __________________________
Typed Name: Richard Avoy
State of Florida County of __________
Signed before me this ______ date of ______ 20__
By ____________________________ Inventor

Notary Public

Date 3/10/03 Signature __________________________
Typed Name: John Booras
State of Illinois County of __________
Signed before me this ______ date of ______ 20__
By ____________________________ Inventor

Notary Public

Date 3/17/03 Signature __________________________
Typed Name: Joseph H. Bowman, Jr.
State of Illinois County of __________
Signed before me this ______ date of ______ 20__
By ____________________________ Inventor

Notary Public

OFFICIAL SEAL
SARAH TROVILLION
NOTARY PUBLIC, STATE OF ILLINOIS
MY COMMISSION EXPIRES: 07/25/05

OFFICIAL SEAL
SHARON E. SMITH
NOTARY PUBLIC, STATE OF ILLINOIS
MY COMMISSION EXPRES: 11/1/03
Date _______ Signature ____________
Typed Name: Paul Grippio
State of Florida ___, County of ________
Signed before me this _______ date of __________, 20____
By ____________________________
Inventor

Date _______ Signature ____________
Typed Name: Andrew D. Hopping
State of Florida ___, County of ________
Signed before me this _______ date of __________, 20____
By ____________________________
Inventor

Date _______ Signature ____________
Typed Name: David Howard
State of Illinois ___, County of ________
Signed before me this _______ date of __________, 20____
By ____________________________
Inventor

Date _______ Signature ____________
Typed Name: Jeffrey W. Jerrell
State of Florida ___, County of ________
Signed before me this _______ date of __________, 20____
By ____________________________
Inventor

Date _______ Signature ____________
Typed Name: Benjamin Kellam
State of Florida ___, County of ________
Signed before me this _______ date of __________, 20____
By ____________________________
Inventor

Date _______ Signature ____________
Typed Name: Brian Lauman
State of Florida ___, County of ________
Signed before me this _______ date of __________, 20____
By ____________________________
Inventor

Date _______ Signature ____________
Typed Name: Sherwin Shang
State of Illinois ___, County of ________
Signed before me this _______ date of __________, 20____
By ____________________________
Inventor

Date _______ Signature ____________
Typed Name: David Vescovi
State of Florida ___, County of ________
Signed before me this _______ date of __________, 20____
By ____________________________
Inventor

Date _______ Signature ____________
Typed Name: Tahua Yang
State of Illinois ___, County of ________
Signed before me this _______ date of __________, 20____
By ____________________________
Inventor

Date _______ Signature ____________
Typed Name: Alex Yu
State of Florida ___, County of ________
Signed before me this _______ date of __________, 20____
By ____________________________
Inventor