> \$40.00 11548

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Conly L. Hansen	10/16/2006
Carl S. Hansen	10/16/2006
Kevin Pack	10/16/2006
John Milligan	10/17/2006
Bradley C. Benefiel	10/03/2006
C. Wayne Tolman	10/05/2006
Kenneth W. Tolman	10/05/2006

RECEIVING PARTY DATA

Name:	Utah State University	
Street Address:	570 East Research Park Way	
Internal Address:	Suite 101	
City:	North Logan	
State/Country:	UTAH	
Postal Code:	84341	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11548764

CORRESPONDENCE DATA

Fax Number: (801)328-1707

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

Phone: 801-533-9800

Email: abrimhall@wnlaw.com
Correspondent Name: Workman Nydegger
Address Line 1: 60 East South Temple

Address Line 2: Suite 1000

Address Line 4: Salt Lake City, UTAH 84111

PATENT

REEL: 018435 FRAME: 0630

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ATTORNEY DOCKET NUMBER:	16325.4
NAME OF SUBMITTER:	Andrew S. Hansen
Total Attachments: 7 source=Assignment 16325.4#page1.tif source=Assignment 16325.4#page2.tif source=Assignment 16325.4#page3.tif source=Assignment 16325.4#page4.tif source=Assignment 16325.4#page5.tif source=Assignment 16325.4#page6.tif source=Assignment 16325.4#page7.tif	

WHEN RECORDED RETURN TO:

PATENT APPLICATION

Docket: 16325.4

WORKMAN NYDEGGER 1000 Eagle Gate Tower

60 East South Temple

Salt Lake City, Utah 84111

ASSIGNMENT

We, Conly L. Hansen, of 1310 East 3100 North, North Logan, Utah 84341, Carl S.

Hansen, of 4005 W 15600th N, Garland, Utah 84312, Kevin Pack, of 2290 N 800th E, North

Logan, Utah 84341, John Milligan, of 2445 N 800 E, North Logan, Utah 84341, Bradley C.

Benefiel, of 2665 East 97 North, Idaho Falls, Idaho 83401, C. Wayne Tolman, of 184 N

Meridian Rd., Rupert, Idaho 83350 and Kenneth W. Tolman, of 250 North 100 West, Rupert,

Idaho 83350 have invented a method and apparatus entitled UPFLOW BIOREACTOR WITH

SEPTUM AND PRESSURE RELEASE MECHANISM hereinafter called the "invention."

Preferred embodiments of said invention are disclosed in a United States patent

application executed heretofore and now identified as File No. 16325.4 of the law firm of

Workman Nydegger, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, Utah

84111, and filed in the United States Patent and Trademark Office as Serial No.11/548,764 on

October 12, 2006. (we hereby authorize the attorneys of Workman Nydegger to insert said serial

number and filing date when known). .

The Assignee, UTAH STATE UNIVERSITY, a nonprofit corporation, organized and existing

under the State of Utah, located at 570 East Research Park Way, Suite 101, North Logan, Utah

84341, desires to secure the entire right, title and interest in said invention.

In consideration of One Dollar (\$1.00) and other good and valuable consideration paid to

us by the Assignee, the receipt and sufficiency of which we hereby acknowledge, WE HEREBY

ASSIGN TO THE ASSIGNEE:

PATENT

REEL: 018435 FRAME: 0632

16325.4

The entire right, title and interest in said invention in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications which may be filed in countries foreign to the

United States, and in all patents issuing thereon in the United States and foreign

countries.

The right to file foreign patent applications on said invention in its own name, wherever such right may be legally exercised, including the right to claim the benefits of

wherever such right may be legally exercised, including the right to claim the ber

the International Convention for such applications.

We hereby authorize and request the United States Commissioner of Patents and

Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their

patent laws to issue patents, to issue any and all patents on said invention to the Assignee as the

owner of the entire interest, for the sole use and behoof of the said Assignee, its successors,

assigns and legal representatives.

We hereby agree, without further consideration and without expense to us, to sign all

lawful papers and to perform all other lawful acts which the Assignee may request of us to make

this Assignment fully effective, including, by way of example but not of limitation, the

following:

Prompt execution of all original, divisional, substitute, reissue, and other United States and foreign patent applications on said invention, and all lawful documents

States and foreign patent applications on said invention, and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

Cooperation to the best of our ability in the execution of all lawful documents, the production of evidence, nullification, reissue, extension, or infringement proceedings

involving said invention.

This assignment and agreement shall be binding upon our heirs and legal representatives.

Dated this 16 day of October, 2006.

Couly J Hansen

STATE OF UTAH

: 88.

COUNTY OF Cicke

PATENT

REEL: 018435 FRAME: 0633

On October 16, 2006, before me personally appeared Conly L. Hansen, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein. Colajean Bolton Commission Expires Oct. 31, 2007 State of Utah Notary Public Notary Public Notary Public Notary Public Notary Public Residing at Logar, Utah Logar, Utah Residing at Logar, Utah Logar, Utah Residing at Logar, Utah Re
My Commission Expires:
Oct. 31, 2007
Dated this 16 day of Oct., 2006. Carl S. Hansen
STATE OF UTAH) : ss. COUNTY OF Cache)
On October 16, 2006, before me personally appeared Carl S. Hansen, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein.
LOLAJEAN BOLTON Notary Public State of Utah My Commission Expires Oct. 31, 2007 570 Research Park Way Sta. 101, N. Logan, UT 34341 Residing at Logan, Uta.
My Commission Expires:
Oci 31, 2007
Dated this the day of October 2006

COUNTY OF Litest On Othory Ite 1000 before me personally appeared Kevin Pack, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein. LOLAJEAN BOLTON Notary Public State of Utah NOTARY PUBLIC Residing at LOGIN LITERATURE OF UTAH Dated this The day of Othor 2006. STATE OF UTAH COUNTY OF CONTY OF CONTY OF CONTY OF COUNTY OF	KEVIN PACK
On OHORY 170. 1000 , before me personally appeared Kevin Pack, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein. LOLAJEAN BOLTON Notary Public State of Utah Wy Commission Expires: NOTARY PUBLIC Residing at LOCAN 11 2007 Bassach have well as a local point of the purpose set on the purpose set of the purpose s	
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known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein. LOLAJEAN BOLTON Notary Public State of Utah State of Utah State of Utah State of Utah NOTARY PUBLIC Residing at LOCAL RESIDENCE R	COUNTY OF Little)
Notary Public State of Utah STATE OF UTAH STATE OF UTAH On Office 1 State of Utah State of Utah Why Commission Expires: Colajean Bolton Notary Public State of Utah Why Commission Expires: Colajean Bolton Notary Public State of Utah Why Commission Expires Oct. 31, 2007 Sto Research Part Why State of Utah Notary Public Residing at Logan Who Logan Utah Notary Public Residing at Logan Who State of Utah Notary Public Residing at Logan Who Logan Utah Notary Public Residing at Logan Utah Notary Public Re	known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set
Dated this The day of October . 2006. STATE OF UTAH COUNTY OF GCAE On October 1 1006 before me personally appeared John Milligan, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein. COLAJEAN BOLTON Notary Public State of Utah My Commitssion Expires Oct. 31, 2007 NOTARY PUBLIC Residing at LOGON, WALL RESIDENT RESID	LOLAJEAN BOLTON Notary Public State of Utah My Commission Expires Oct. 31, 2007 570 Research Park Way Sta. 101, N. Logan, UT 34341
STATE OF UTAH On Other 17 Dob the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein. LOLAJEAN BOLTON Notary Public State of Utah My Commission Express Oct. 31, 2007 Sto Research Park Way Sts. 101, N. Logan, UT 34341 NOTARY PUBLIC Residing at LOGGON, LYG.	My Commission Expires:
STATE OF UTAH On Other 17 Dob the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein. LOLAJEAN BOLTON Notary Public State of Utah My Commission Express Oct. 31, 2007 Sto Research Park Way Sts. 101, N. Logan, UT 34341 NOTARY PUBLIC Residing at LOGGON, LYG.	10/31/07
STATE OF UTAH On Other 17 Dob the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein. LOLAJEAN BOLTON Notary Public State of Utah My Commission Express Oct. 31, 2007 Sto Research Park Way Sts. 101, N. Logan, UT 34341 NOTARY PUBLIC Residing at LOGGON, LYG.	
STATE OF UTAH On Otto 17 100 before me personally appeared John Milligan, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein. LOLAJEAN BOLTON Notary Public State of Utah My Commission Express Oct. 31, 2007 570 Research Park Wey Sts. 101, N. Logan, UT 34341 NOTARY PUBLIC Residing at LOGAN LOGA	Dated this /The day of October , 2006.
On October 1006, before me personally appeared John Milligan, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein. LOLAJEAN BOLTON Notary Public State of Utah NoTARY PUBLIC NOTARY PUBLIC Residing at LOGAN MG Residing at	JOHN MILLIGAN
On October 1000 , before me personally appeared John Milligan, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein. Colajean Bolton Notary Public State of Utah Notary Public Notary Public	The first out to be a first of the first of
known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein. LOLAJEAN BOLTON Notary Public State of Utah NoTARY PUBLIC NOTARY PUBLIC NOTARY PUBLIC Residing at LOGAN Was State of Utah Notary Public Not	COUNTY OF <u>Vache</u>)
LOLAJEAN BOLTON Notary Public State of Utah My Commission Expires Oct. 31, 2007 570 Research Park Wey Sta. 101, N. Logan, UT 34341 Residing at LOGAN, UT 34341	known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof and that he executed the same as his free act and deed and for the purposes set
My Commission Expires:	LOLAJEAN BOLTON Notary Public State of Utah Ny Commission Expires Oct. 31, 2007 570 Research Park Wey Sta. 101, N. Loogn, UT 34341
10/3/107	My Commission Expires:
	10/31/07

	Bruelly C. Bernefiel BRADLEY C. BENEFIEL
STATE OF IDAHO county of bonneville)	
On <u>October 3, 2006</u> Benefiel, known to me to be the person do my presence and acknowledged under oath	, before me personally appeared Bradley C. escribed and who signed the foregoing Assignment in h before me that he has read the same and knows the same as his free act and deed and for the purposes set
DEBORAH YOST Notary Public State of Idaho	NOTARY PUBLIC Residing at Toldh O FULLS
My Commission Expires: March 15, 2006	
Dated thisday of	2006.
	C. WAYNE TOLMAN
STATE OF IDAHO) ; ss.	
COUNTY OF)	
Tolman, known to me to be the person d my presence and acknowledged under oar	, before me personally appeared C. Wayne escribed and who signed the foregoing Assignment in the before me that he has read the same and knows the same as his free act and deed and for the purposes set

Dated this 3 day of October, 2006.

Dated this	day of	, 2006.	
		BRADLEY C. BENEFIEL	
STATE OF IDAHO	j.		
COUNTY OF) ss.		
Benefiel, known to m my presence and acki	ne to be the person nowledged under	, before me personally appeared Brand described and who signed the foregoing Assign oath before me that he has read the same and known he same as his free act and deed and for the purpose.	nows the
		NOTARY PUBLIC Residing at	
My Commission Expi	ires:		
Dated this	day of 000		
		C. Wayne Tolman	· 1
STATE OF IDAHO	:ss. udoka		
On /b-z Tolman, known to m my presence and ack	e to be the person nowledged under	, before me personally appeared C. described and who signed the foregoing Assign oath before me that he has read the same and known he same as his free act and deed and for the purpose.	nows the

Re	siding at Rupert
My Commission Expires:	•
8-14-10	NOTARY PUBLIC STATE OF IDAHO
Dated this 5 day of Oct	, 2006.
KE	Knjth W. Tolman
STATE OF IDAHO) : ss. COUNTY OF Mendologic	
Tolman, known to me to be the person describ my presence and acknowledged under oath bef	, before me personally appeared Kenneth W. ed and who signed the foregoing Assignment in ore me that he has read the same and knows the as his free act and deed and for the purposes set
-	Silly Haux OTARY PUBLIC siding at Rupert
My Commission Expires:	
7-14-10	LILLY HAUX NOTARY PUBLIC STATE OF IDAHO

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PATENT REEL: 018435 FRAME: 0638

RECORDED: 10/25/2006