

PATENT ASSIGNMENT

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NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
The Arizona Board of Regents	03/18/2009
RECEIVING PARTY DATA	
Name:	The Arizona Board of Regents
Street Address:	699 S. Mill Avenue
Internal Address:	The Brickyard, Ste. 601, Rm 691AA
City:	Tempe
State/Country:	ARIZONA
Postal Code:	85281
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12280338
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ASSIGNMENT

WHEREAS, **Qiang Hu** (hereinafter "ASSIGNOR"), a citizen of China, residing at 2114 E. Ebony Drive, Chandler, Arizona 85249 and **Milton Sommerfeld** (hereinafter "ASSIGNOR"), a United States citizen, residing at 1840 West Rockrose Drive, Chandler, Arizona 85248 (hereinafter collectively the "ASSIGNORS"); own all right, title, and interest throughout the world in certain new and useful improvements in a **PHOTOBIOREACTOR AND USES THEREFOR** for which a non-provisional Patent Application in the United States, U.S. Patent Application No. 12/280,338 was filed on August 21, 2008; which is the national phase application of International Patent Application No. PCT/US2007/004351, filed on February 20, 2007, which claims priority to Application Nos. 60/775,174, filed February 21, 2006 and 60/799,930, filed May 12, 2006 (hereinafter "APPLICATIONS");

AND WHEREAS, **THE ARIZONA BOARD OF REGENTS**, a body corporate acting on behalf of Arizona State University (hereinafter "ASSIGNEE"), incorporated in the State of Arizona, with its principal place of business at 699 S. Mill Avenue, The Brickyard, Suite 601, Room 691AA, Tempe, AZ 85281, desires to acquire the entire right, title, and interest throughout the world in and to said improvements and said APPLICATIONS;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the ASSIGNORS do hereby acknowledge that they have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, its full and exclusive right, title and interest throughout the world in, to and under said improvements, and said APPLICATIONS including all provisional and utility applications relating thereto and all divisions, renewals and continuations thereof, and all Letters Patent of the United States, which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent, which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent, which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; ASSIGNORS hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements and said APPLICATIONS to said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNORS DO HEREBY sell, assign, transfer, and convey to ASSIGNEE its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNORS HEREBY covenant and agree that they will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

