

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Vincent Myles Gray	11/21/2011
RECEIVING PARTY DATA	
Name:	University of The Witwatersrand, Johannesburg
Street Address:	1 Jan Smuts Avenue
Internal Address:	Braamfontein
City:	Johannesburg
State/Country:	SOUTH AFRICA
Postal Code:	2050
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13320493
CORRESPONDENCE DATA	
Fax Number:	(713)228-8778
Phone:	7132288600
Email:	khennessey@oshaliang.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Jeffrey S. Bergman
Address Line 1:	909 Fannin
Address Line 2:	Suite 3500
Address Line 4:	Houston, TEXAS 77010
ATTORNEY DOCKET NUMBER:	17795/006001
NAME OF SUBMITTER:	Jeffrey S. Bergman
Total Attachments: 2 source=17795006001ASSIGNMENT#page1.tif source=17795006001ASSIGNMENT#page2.tif	

OP \$40.00 13320493

ASSIGNMENT – U. S. RIGHTS ONLY

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

University of The Witwatersrand, Johannesburg

having the following address:

1 Jan Smuts Avenue, Braamfontein
Johannesburg
2050 SOUTH AFRICA

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest for the United States of America (including without limitation its territories and possessions) in and to the invention known by the following title:

BIOREACTOR PROCESS FOR PRODUCTION OF HYDROGEN FROM BIOMASS

for which the undersigned has/have executed an application for patent in the United States of America on or about this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all United States Letters Patent which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents which may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY.

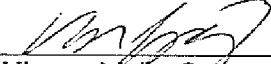
The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA LIANG LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

OSHA LIANG LLP

Intellectual Property Law

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

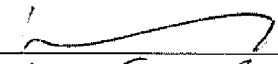
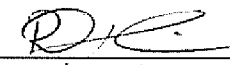
21 NOVEMBER 2011 1st Inventor Signature: 
 Date Print or Type Name: Vincent Myles Gray

_____ 2nd Inventor Signature: _____
 Date Print or Type Name: _____

_____ 3rd Inventor Signature: _____
 Date Print or Type Name: _____

_____ 4th Inventor Signature: _____
 Date Print or Type Name: _____

This Assignment may be signed before two witnesses who sign below:

WITNESSES	<u>21 NOVEMBER 2011</u> Signature of Witness: <u></u>
	Date Print or Type Name: <u>ROBERT JOHN CAENEY</u>
	<u>21 NOVEMBER 2011</u> Signature of Witness: <u></u>
	Date Print or Type Name: <u>REWARD MATANHERE</u>

When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:

U.S. Application Serial No.: 13/320,493
Filing Date: 14 November 2011

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PATENT