PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Dehua LIU	03/17/2008
Hongjuan LIU	03/17/2008
Yan SUN	03/17/2008
Rihui LIN	03/17/2008
Jian HAO	03/17/2008

RECEIVING PARTY DATA

Name:	TSINGHUA UNIVERSITY	
Street Address:	QINGHUA YUAN, HAIDIAN DISTRICT	
City:	BEIJING, P.R.	
State/Country:	CHINA	
Postal Code:	100084	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11916180

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: NTD-0006

NAME OF SUBMITTER: Anthony J. Zelano

PATENT

500528699 **REEL: 020887 FRAME: 0034**

Total Attachments: 1

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PATENT REEL: 020887 FRAME: 0035

ASSIGNMENT

ATTY, DOCKET NO. NED-0006

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinefter referred to as the ASSIGNOR invented a certain improvement(s) relating to

METHOD FOR PRODUCING 1,3-PROPANEDIOL USING CRUDE GLYCEROL, A BY-PRODUCT FROM BIODIESEL PRODUCTION

was filed in the United States Patent and Tracemark Office on

	application for Letters Patent to be filed in the United States Patent and Tracemark Office was executed to two lates. Application Serial No. 11/916,180 for Letters Patent was filed in the U.S. Patent and Trademark Office on November 30, 2007 as International Application No. PCT/CN2006/001181 was filed on June 1, 2006 designating the United States.
	WHEREAS TSINGHUA UNIVERSITY QINGHUA YUAN HAIDIAN DISTRICT BELING, P. R. CHINA 100084
thereon, including	red to us the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and all application(s) listed above, and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, and any and all Letters Patent which may be granted ag any and all renewals, reissues, reexaminations and extensions thereof.
NOW, WII transfers to ASS including any a reissues, reexam accruing or to a ASSIGNEE, its (U.S. and foreig reexaminations advantages in a and all renewals and beneficial a multiple properties.	INESSETH that for good and valuable consideration, the receipt whereof is burchy acknowledged. ASSIGNOR hereby assigns, sells, and sIGNEE, its assigns and logal representatives, the entire and exclusive right, the and interest in and to said invention and application(s), and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, inations and extensions thereof, and in and to any snd all U.S. (including provisional) or foreign priority and/or convention rights or benefits are extensions thereof, and any snd all Letters and/or any countries foreign thereto concerning said invention, SAID assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all carrier priority rights and obtained thereof, any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, and extensions thereof, including the right to sue for damages occurring before the assignment, with all the rights, powers, privileges and anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any any analysis arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any menner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.
AND ASS invention and to with filing said	IGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said assign the same to said ASSIGNEE, its assigns and legal representatives and it execute any other papers that may be needed in connection applications and securing Letters Patents thereon.
divisions and co	IGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Putent on said application, and on any and all ontinuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.
The unders	signed hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment information which may desirable in order for the United States Patent and Trademark Office to property record this document.

The ASSIGNOR

FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR! SIGNATURE	DATE
Delma LIU	Dehd	2008.3.17
FULL NAME OF SECOND JOINT INVENTOR	INVENTOR: SUP-ATORE	
longjuan LIU	Hongjuan LTU	2008.3.17
3 FULL NAME OF THIRD JOINT INVENTOR	INVENTOR! SIGNATURE	
(an SUN	Yan Sun	2018.3.1/
14 WILL NAME OF FOURTH JOINT INVENTOR	INVENTOR! SIGNATURE	
tihui LIN	Rilmi Lin	2008. 3.17
95 FULL NAME OF FIFTH JOINT INVENTOR	INVENTOR! SIGNATORE	i
ian HAO	Jian HAO	2008 · 3.,7
GE FULL NAME OF SIXTH JOINT INVENTOR	DIVENTURE S., NATURE	Drive-
	· ·	
97 FULL NAME OF SEVENTH FOUNT INVENTOR	INVENTOR: S,GNA: URE	DATE
08 FULL NAME OF EIGHTH FOINT INVENTOR	(NVENTOR) SAUNTIURE	DATE
109 FULL NAME OF NENTH JOIN'S INVENTOR	INVENTORS SIGNATURE	DATE
DE A MARIE LIE MINTE TO THE COLUMN TO THE CO		1

PATENT REEL: 020887 FRAME: 0036

RECORDED: 05/01/2008

and for which one or more of the following apply:

A U.S. National Phase

 U.S. Provisional Application Serial No: