PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
George N. Bennett	08/26/2005
Ka-Yiu San	08/26/2005
Henry Lin	10/21/2005

RECEIVING PARTY DATA

Name:	Rice University
Street Address:	6100 Main Street
City:	Houston
State/Country:	TEXAS
Postal Code:	77005

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11200385

CORRESPONDENCE DATA

Fax Number: (713)427-5099

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

Phone: 7134275007

Email: susan.b.jensen@bakernet.com

Correspondent Name: Tamsen Valoir, Ph.D.

Address Line 1: 711 Louisiana, Ste. 3400

Address Line 4: Houston, TEXAS 77002

ATTORNEY DOCKET NUMBER: 31175413-012002

NAME OF SUBMITTER: Tamsen Valoir, Ph.D.

Total Attachments: 3 source=int1CF#page1.tif source=int1CF#page2.tif

PATENT REEL: 016765 FRAME: 0644

500059928

source=int1CF#page3.tif

PATENT REEL: 016765 FRAME: 0645

former PTQ/SB/15 (05/01)

	Docket Number (Optional)	
ASSIGNMENT OF APPLICATION	31175413-012002	
Whereas, I/We, George N. Bennett of Hou hereafter referred to as applicant, have invented certain new and useful improvement.	uston, TX ents in	
Aerobic Succinate Production in Bacteria	August 9, 2005	
x for which an application for a United States Patent was filed on Application Number	, and	
for which an application for a United States Patent was executed on		
Whereas, Rice University of referred to as "assignee" whose mailing address is 6100 Main Street; Houston	Texas 77005-1892	
Is desirous of acquiring the entire right, title and interest in the salt of Now, therefore, in consideration of the sum of one dollars (\$ acknowledged, and other good and valuable consideration, I/We, the applical assign and transfer unto said assigned the full and exclusive right to the said inventire rights, title and interest in and to any and all Patents which may be graphly be determined by the control of the U.S. Patent and Trade States Patent to said assigned, of the entire right, title, and interest in and behoof; and for the use and behoof of his legal representatives, to the full entirely by granted, as fully and entirely as the same would have been held by mobeen made.	1.00), the receipt whereof is ant(s), by these presents do sell, vention in the United States and the inted therefor in the United States, lemark Office to issue said United to the same, for his sole use and d of the term for which said Patent e had this assignment and sale not	
Executed this	2005 1005 Sent (Signature)	
State of Texas) SS: County of Harris) Before me personally appeared said George N. and acknowledged the foregoing instrument to be his free act and deed day of August 2005		
Seal BRIDGET C. SMALLEY Notary Public, State of Texas My Commission Expires April 19, 2009 NOTE: Signatures of all the inventors or assignees of record of the entire interest or the	(Notary Public) iir representative(s) are required. Submit	
multiple forms if more than one signature is required, see below*. X *Total of 3 forms are submitted.		

Page 2 of 3

Based on PTO Sample Form (former PTO/SB/15) (06/03)

		Docket Milliper (Obgoda)		
ASSIGNMENT OF APPLICATION		31175413-0120	002	
Whereas, I/We,	Ka-Yiu San of ofapplicant, have invented certain new and us		ston, Texas ents in	_ ,
Aerobic Succinat	e Production in Bacteria plication for a United States Patent was filed		August 9, 2005	_
for which an a	pplication for a United States Patent was ex	recuted on _		, and here
is desirous of acquiring Now, therefore, in consacknowledged, and consistent assign and transfer unentire rights, title and I/We hereby authorized the States Patent to said behoof; and for the unay be granted, as fubeen made.	Rice University e" whose mailing address is 6100 Main S g the entire right, little and interest in the same of one	dollars (\$	1.00), the receipt cant(s), by these preservention in the United Stanted therefor in the United mark Office to issue sto the same, for his sold of the term for which he had this assignment a	whereof is ats do sell, tes and the ited States, said United alle use and said Patent
County of Ha	exas) ss: rris) ally appeared said the foregoing instrument to be his free	Ka-Yii act and deed		
Seal NOTE: Signatures of	BRIDGET C. SMALLEY Notary Public, State of Texas My Commission Expires April 19, 2009 all the inventors or assignees of regord of the enternal one signature is required, see below.	tire interest or the	(Notary Public) eir representative(s) are req	uired. Submit
x *Total of	3 forms are submitted.			

Page 1 of 3

ASSIGNMENT OF APPLICATION	Docket Number (Optional)
ACCIONIZATION AND AND AND AND AND AND AND AND AND AN	31175413-012002
Whereas, I/We, Henry Lin of	
hereafter referred to as applicant, have invented certain new and useful impro	vements in
Aerobic Succinate Production in Bacteria	
x for which an application for a United States Patent was filed on Application Number	August 9, 2005
for which an application for a United States Patent was executed on	, and
Whereas, Rice University of	here
referred to as "assignee" whose mailing address is 6100 Main Street; Hous is desirous of acquiring the entire right, title and interest in the same;	ton, Texas 77005-1892
acknowledged, and other good and valuable consideration, I/We, the apprendix assign and transfer unto said assignee the full and exclusive right to the said entire rights, title and interest in and to any and all Patents which may be I/We hereby authorize and request the Director of the U.S. Patent and Tr. States Patent to said assignee, of the entire right, title, and interest in an behoof; and for the use and behoof of his legal representatives, to the full of may be granted, as fully and entirely as the same would have been held by been made.	invention in the United States and the granted therefor in the United States, rademark Office to issue said United and to the same, for his sole use and end of the term for which said Patent me had this assignment and sale not
executed this 2/ day of October at Thousand Oaks, CA	, 2005.
74	PLEASE SIG
	(Signature) & DAT
State of California) SS:	
County of Ventura)	
Before me personally appeared said Heni	ry Lin
and acknowledged the foregoing instrument to be his free act and deed	
day of October, 2005.	
Seal OFFICIAL SEAL GREG R. PATTERSON NOTARY PUBLIC - CALIFORNIA COMMISSION # 1589516 LOS ANGELES COUNTY My Commission Exp. June 24, 2009	R. Rattoes (Notary Public)
NOTE: Signatures of all the inventors or assignees of record of the entire interest or the multiple forms if more than one signature is required, see below*.	eir representative(s) are required. Submit
x *Total of 3 forms are submitted.	

Page 3of 3

RECORDED: 11/10/2005