Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Anthony J. Sinskey	01/11/2005
Laura B. Willis	01/11/2005
Stephane Guillouet	02/10/2005

RECEIVING PARTY DATA

Name:	Massachusetts Institute of Technology
Street Address:	77 Massachusetts Avenue
City:	Cambridge
State/Country:	MASSACHUSETTS
Postal Code:	02139

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	09974973

CORRESPONDENCE DATA

Fax Number: (412)562-1041

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

Phone: 412-562-1622

Email: cremonesevj@bipc.com
Correspondent Name: Duane A. Stewart III
Address Line 1: 301 Grant Street

Address Line 2: 20th Floor

Address Line 4: Pittsburgh, PENNSYLVANIA 15219

NAME OF SUBMITTER: Duane A. Stewart

Total Attachments: 6

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PATENT REEL: 016083 FRAME: 0547

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PATENT REEL: 016083 FRAME: 0548

ASSIGNMENT

WHEREAS, We, Anthony J. Sinskey, Laura B. Willis, and Stephane Guillouet, have invented certain new and useful apparatus, inventions, discoveries and/or improvements disclosed in a U.S. patent application entitled "Feedback-Resistant Pyruvate Carboxylase Gene from Corynebacterium" filed in the United States Patent and Trademark Office on October 12, 2001, as Application No. 09/974,973;

AND WHEREAS, the Massachusetts Institute of Technology (hereinafter the "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the apparatus, inventions, discoveries, and improvements therein disclosed;

NOW THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration paid to us by said Assignee, receipt whereof we hereby acknowledge, we do hereby assign, sell, transfer, and set over unto said Assignee the entire right, title, and interest in and to said application and the apparatus, inventions, discoveries and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, renewals, and/or extensions thereof, including all priority rights under the International Convention associated therewith for each country and the United States, said Assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by us had this Assignment not been made.

The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the said application, apparatus, inventions, discoveries and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the said apparatus, inventions, discoveries or improvements or any of them, and that we have the full right to make this Assignment.

And for said consideration, we agree jointly and individually that we will communicate to said Assignee or the representatives thereof any facts known to us respecting said apparatus, inventions, discoveries and improvements, and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said Assignee or by counsel for said Assignee, to assist or enable said Assignee to obtain and enforce full benefits from the rights and interests herein assigned, and, in the event of any application or Letters Patent assigned herein becoming involved in Interference, to cooperate to the best of the ability of the undersigned in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof. This Assignment shall be binding upon our heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said Assignee.

PATENT REEL: 016083 FRAME: 0549 And for said consideration, the undersigned hereby agrees to execute, at the request of said Assignee, all documents in connection with any application for foreign letters patent therefor.

Executed: ////o5 Date	Anthony J. Sindley J.
Executed: Manuay 2005 Date	Laura B. Willis
Executed:	Stephane Guillouet

State of Manachusetts		
State of <u>Manachusetts</u> County of <u>Muddlesef</u> ss:		
Before me, a Notary Public in an ANTHONY J. SINSKEY, who acknowledged it to be h		7 4 4
Witness my hand and notarial sea (Notarial Seal)	al this 1/th day of January Jean Can Robert Notary Public	<u>, 20</u> <u>6</u>
State of Musical Set Ses: County of Middlesef		
County of Middlase		
Before me, a Notary Public in and LAURA B. WILLIS, who acknowledged Assignment and acknowledged it to be he	<u>-</u>	
Witness my hand and notarial sea	ed this 11th day of January	, 20/25
(Notarial Seal)	Notary Public	oux
State ofss:		
County of		
Before me, a Notary Public in and STEPHANE GUILLOUET, who acknow Assignment and acknowledged it to be he		
Witness my hand and notarial sea	d this day of	, 20
(Notarial Seal)		
	Notary Public	

ASSIGNMENT

WHEREAS, We, Anthony J. Sinskey, Laura B. Willis, and Stephane Guillouet, have invented certain new and useful apparatus, inventions, discoveries and/or improvements disclosed in a U.S. patent application entitled "Feedback-Resistant Pyruvate Carboxylase Gene from Corynebacterium" filed in the United States Patent and Trademark Office on October 12, 2001, as Application No. 09/974,973;

AND WHEREAS, the Massachusetts Institute of Technology (hereinafter the "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the apparatus, inventions, discoveries, and improvements therein disclosed;

NOW THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration paid to us by said Assignee, receipt whereof we hereby acknowledge, we do hereby assign, sell, transfer, and set over unto said Assignee the entire right, title, and interest in and to said application and the apparatus, inventions, discoveries and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, renewals, and/or extensions thereof, including all priority rights under the International Convention associated therewith for each country and the United States, said Assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by us had this Assignment not been made.

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And for said consideration, we agree jointly and individually that we will communicate to said Assignee or the representatives thereof any facts known to us respecting said apparatus, inventions, discoveries and improvements, and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said Assignee or by counsel for said Assignee, to assist or enable said Assignee to obtain and enforce full benefits from the rights and interests herein assigned, and, in the event of any application or Letters Patent assigned herein becoming involved in Interference, to cooperate to the best of the ability of the undersigned in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof. This Assignment shall be binding upon our heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said Assignee.

PATENT REEL: 016083 FRAME: 0552 And for said consideration, the undersigned hereby agrees to execute, at the request of said Assignee, all documents in connection with any application for foreign letters patent therefor.

Executed:	
Date	Anthony J. Sinskey
Executed:	
Date	Laura B. Willis
Executed: 02 10_05	The state of the s
Date	Stephane Guillouet

State of		
county of		
Before me, a Notary Public in and for the s ANTHONY J. SINSKEY, who acknowledged that Assignment and acknowledged it to be his free and	t he is the person who execu	
Witness my hand and notarial seal this	day of	, 20
(Notarial Seal)		
	Notary Public	
State of		
County of		
Before me, a Notary Public in and for the s LAURA B. WILLIS, who acknowledged that she is Assignment and acknowledged it to be her free and	s the person who executed	7 - 2
Witness my hand and notarial seal this	day of	, 20
(Notarial Seal)	Notary Public	
State of ss:		
Before me, a Notary Public in and for the statement and acknowledged it to be before and	at he is the person who exec	
Witness my hand and notarial seal this	oday of February	, 2005
(Notarial Seal)	Notary Public	CHABAUD, Note
		CHABAUD, Notation Associa

PATENT REEL: 016083 FRAME: 0554

RECORDED: 06/01/2005