

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>A.C. Matin</td><td>05/03/2007</td></tr><tr><td>Yoram Barak</td><td>03/21/2007</td></tr><tr><td>Susan V. Lynch</td><td>04/30/2007</td></tr><tr><td>David F. Ackerly</td><td>05/26/2007</td></tr><tr><td>Stephen H. Thorne</td><td>08/29/2007</td></tr><tr><td>Christopher H. Contag</td><td>10/16/2008</td></tr><tr><td>Jianghong Rao</td><td>05/03/2007</td></tr></tbody></table>	Name	Execution Date	A.C. Matin	05/03/2007	Yoram Barak	03/21/2007	Susan V. Lynch	04/30/2007	David F. Ackerly	05/26/2007	Stephen H. Thorne	08/29/2007	Christopher H. Contag	10/16/2008	Jianghong Rao	05/03/2007	
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RECEIVING PARTY DATA																	
Name:	The Board of Trustees of the Leland Stanford Junior University																
Street Address:	1705 El Camino Real																
City:	Palo Alto																
State/Country:	CALIFORNIA																
Postal Code:	94306																
PROPERTY NUMBERS Total: 1																	
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11643628</td></tr></tbody></table>	Property Type	Number	Application Number:	11643628													
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Application Number:	11643628																
CORRESPONDENCE DATA																	
Fax Number:	(650)327-3231																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone:	6503273400																
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Correspondent Name:	Bozicevic, Field & Francis LLP																
Address Line 1:	1900 University Avenue																
Address Line 2:	Suite 200																
Address Line 4:	East Palo Alto, CALIFORNIA 94303																
ATTORNEY DOCKET NUMBER:	STAN-449US1																

OP \$40.00 11643628

PATENT

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REEL: 021694 FRAME: 0459

NAME OF SUBMITTER:

Pamela J. Sherwood

Total Attachments: 7

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ASSIGNMENT OF APPLICATION (JOINT)

Atty Docket No. STAN-449US1

THIS ASSIGNMENT, by A.C. MATIN, YORAM BARAK, SUSAN V. LYNCH, DAVID F. ACKERLY, STEPHEN H. THORNE, CHRISTOPHER H. CONTAG, and JIANGHONG RAO (hereinafter referred to as the assignors), residing in Stanford, California; Menlo Park, California; San Francisco, California; San Francisco, California; Palo Alto, California; Stanford, California; and Palo Alto, California, respectively, witnesseth:

WHEREAS, the said assignors have invented certain new and useful improvements in:

"IMPROVED NITRODUCTASE ENZYMES"

X filed on December 20, 2006 as U.S. Application Serial No. 11/643,628 designating the United States.
for which an application for a United States Patent was executed on , and

WHEREAS, The Board of Trustees of the Leland Stanford Junior University, a non-profit organization duly organized under and pursuant to the laws of California, and having its principal place of business at 1705 El Camino Real, Palo Alto, California 94306-1106 (hereinafter referred to as the assignee), is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient considerations, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

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AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said invention and the Letters Patent to be issued thereon for the sole use and behalf of said assignee, its successors, legal representatives and assigns.

Date <u>05/03/07</u>	Name of Inventor <u>A.C. Martin</u> A.C. MATIN
Date <u> </u>	Name of Inventor <u> </u> YORAM BARAK
Date <u> </u>	Name of Inventor <u> </u> SUSAN V. LYNCH
Date <u> </u>	Name of Inventor <u> </u> DAVID F. ACKERLY
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Date _____	Name of Inventor _____ A.C. MATIN
Date <u>3/21/07</u>	Name of Inventor _____ YORAM BARAK <i>[Signature]</i>
Date _____	Name of Inventor _____ SUSAN V. LYNCH
Date _____	Name of Inventor _____ DAVID F. ACKERLY
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Date _____	Name of Inventor _____ YORAM BARAK
Date <u>09/30/07</u>	Name of Inventor <u>Susan V. Lynch</u> SUSAN V. LYNCH
Date _____	Name of Inventor _____ DAVID F. ACKERLY
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Date _____	Name of Inventor _____ SUSAN V. LYNCH
Date <u>05/26/07</u>	Name of Inventor <u>David Ackery</u> DAVID F. ACKERLY
Date _____	Name of Inventor _____ STEPHEN H. THORNE
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Date _____	Name of Inventor _____ YORAM BARAK
Date _____	Name of Inventor _____ SUSAN V. LYNCH
Date _____	Name of Inventor _____ DAVID F. ACKERLY
Date <u>8/29/07</u>	Name of Inventor <u>[Signature]</u> STEPHEN H. THORNE
Date _____	Name of Inventor _____ CHRISTOPHER H. CONTAG
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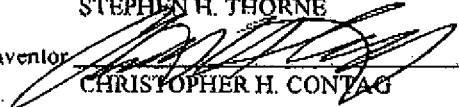
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X filed on December 20, 2006 as U.S. Application Serial No. 11/643,628 designating the United States,
for which an application for a United States Patent was executed on _____, and

WHEREAS, The Board of Trustees of the Leland Stanford Junior University, a non-profit organization duly organized under and pursuant to the laws of California, and having its principal place of business at 1705 El Camino Real, Palo Alto, California 94306-1106 (hereinafter referred to as the assignee), is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient considerations, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignors are the sole and lawful owners of the entire right, title and interest in and to said invention and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said invention and the Letters Patent to be issued thereon for the sole use and behalf of said assignee, its successors, legal representatives and assigns.

Date _____	Name of Inventor _____ A.C. MATIN
Date _____	Name of Inventor _____ YORAM BARAK
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