

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
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EPAS ID: PAT3282979

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MASAMICHI OKADA	06/24/2010
YOSHIAKI KURONO	06/24/2010
HITOSHI AMANO	06/24/2010
SHOTARO YAMAGUCHI	06/24/2010
<b>RECEIVING PARTY DATA</b>	
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<b>Street Address:</b>	2-7, NISHIKI 1-CHOME, NAKA-KU
<b>City:</b>	NAGOYA-SHI
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	4608630
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14638717
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)227-4420
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<b>ATTORNEY DOCKET NUMBER:</b>	86832DIV(305882)
<b>NAME OF SUBMITTER:</b>	GABRIEL J. MCCOOL
<b>SIGNATURE:</b>	/Gabriel J. McCool/
<b>DATE SIGNED:</b>	03/26/2015
<b>Total Attachments: 6</b>	
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UNITED STATES PATENT AND TRADEMARK OFFICE

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DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE



\*501240109A\*

JULY 22, 2010

PTAS

EDWARDS ANGELL PALMER & DODGE LLP  
P.O. BOX 55874  
BOSTON, MA 02205

UNITED STATES PATENT AND TRADEMARK OFFICE  
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RECORDATION DATE: 07/22/2010

REEL/FRAME: 024724/0569  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: 86832(305882)

ASSIGNOR:

OKADA, MASAMICHI

DOC DATE: 06/24/2010

ASSIGNOR:

KURONO, YOSHIAKI

DOC DATE: 06/24/2010

ASSIGNOR:

AMANO, HITOSHI

DOC DATE: 06/24/2010

ASSIGNOR:

YAMAGUCHI, SHOTARO

DOC DATE: 06/24/2010

ASSIGNEE:

AMANO ENZYME INC.  
2-7, NISHIKI 1-CHOME, NAKA-KU  
NAGOYA-SHI, AICHI, JAPAN 460-8630

024724/0569 PAGE 2

SERIAL NUMBER: 12864025

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: STABILIZED TRANSGLUTAMINASE AND PROCESS FOR PRODUCTION THEREOF

ASSIGNMENT SERVICES BRANCH  
PUBLIC RECORDS DIVISION

PATENT

REEL: 035260 FRAME: 0031

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

07/22/2010  
 501240109

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Masamichi OKADA	06/24/2010
Yoshiaki KURONO	06/24/2010
Hitoshi AMANO	06/24/2010
Shotaro YAMAGUCHI	06/24/2010

**RECEIVING PARTY DATA**

<b>Name:</b>	AMANO ENZYME INC.
<b>Street Address:</b>	2-7, Nishiki 1-chome, Naka-ku
<b>City:</b>	Nagoya-shi, Aichi
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	460-8630

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	12864025

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<b>ATTORNEY DOCKET NUMBER:</b>	86832(305882)
<b>NAME OF SUBMITTER:</b>	James E. Armstrong IV

Total Attachments: 2  
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## ASSIGNMENT BY INVENTOR

**THIS ASSIGNMENT**, made this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by **OKADA, Masamichi, KURONO, Yoshiaki, AMANO, Hitoshi and YAMAGUCHI, Shotaro** (hereinafter referred to as Assignor), residing at **c/o Gifu R&D Center, AMANO ENZYME INC., 1-6 Technoplaza, Kakamigahara-shi, Gifu 509-0109 Japan, c/o Gifu R&D Center, AMANO ENZYME INC., 1-6 Technoplaza, Kakamigahara-shi, Gifu 509-0109 Japan, c/o Gifu R&D Center, AMANO ENZYME INC., 1-6 Technoplaza, Kakamigahara-shi, Gifu 509-0109 Japan and c/o Gifu R&D Center, AMANO ENZYME INC., 1-6 Technoplaza, Kakamigahara-shi, Gifu 509-0109 Japan,** respectively;

**WHEREAS**, Assignor has invented certain new and useful improvements in **STABILIZED TRANSGLUTAMINASE AND PROCESS FOR PRODUCTION THEREOF**, set forth in a Patent application for Letters Patent of the United States, filed on July 22, 2010 as U.S. application No. 12/864,025 herewith; and

**WHEREAS, AMANO ENZYME INC.**, a Corporation organized under and pursuant to the laws of Japan having its principal place of business at **2-7, Nishiki 1-chome, Naka-ku, Nagoya-shi, Aichi 460-8630 Japan** (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

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

**AND** for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will 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 any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignor hereby grants the following individuals 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 recordation of this document:

**EDWARDS ANGELL PALMER & DODGE LLP**

All practitioners at Customer Number 21874

AND Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: June 24, 2010 Signature: Masamichi Okada  
OKADA, Masamichi

Date: June 24, 2010 Signature: Yoshiaki Kurono  
KURONO, Yoshiaki

Date: June 24, 2010 Signature: Hitoshi Amano  
AMANO, Hitoshi

Date: June 24, 2010 Signature: Shotaro Yamaguchi  
YAMAGUCHI, Shotaro