PATENT ASSIGNMENT COVER SHEET

EPAS ID: PAT7781671

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HIROKI YAMAGUCHI	10/11/2019
MASAYUKI SUGIKI	10/11/2019
KUNIO NAKATA	10/11/2019

RECEIVING PARTY DATA

Name:	AJINOMOTO CO., INC.
Street Address:	15-1, KYOBASHI 1-CHOME, CHUO-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	104-8315

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	18165045

CORRESPONDENCE DATA

Fax Number: (703)546-0100

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 7034745810

Email: cgoode@cnmiplaw.com SHELLY GUEST CERMAK **Correspondent Name:** Address Line 1: 2000 DUKE STREET

Address Line 2: SUITE 300

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	US-598D
NAME OF SUBMITTER:	CHRISTOPHER GOODE
SIGNATURE:	/Christopher Goode/
DATE SIGNED:	02/06/2023
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 6

source=2023-02-06T US-598D Executed Assignment-Dec from parent#page1.tif source=2023-02-06T US-598D Executed Assignment-Dec from parent#page2.tif

PATENT REEL: 062604 FRAME: 0133 507734526

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PATENT REEL: 062604 FRAME: 0134

COMBINED ASSIGNMENT AND DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (JOINT)

DECLARATION

As a below named inventor, I hereby declare that:

This declaration is directed to:

MUTATED HISTIDINE DECARBOXYLASE AND USE THEREOF		
vhich (check c	only one item below):	
	is attached hereto and/or is deposited in the United States Patent and Trademark Office on even date herewith.	
	was filed as United States Patent application Number <u>16/566,236</u> on <u>September 10, 2019</u> and was amended on (if applicable).	
	was filed as PCT International application Number on and was amended on (if applicable).	
The above-ide	ntified application was made or authorized to be made by me.	
	am the original inventor (if only one name is listed below) or an original joint inventor (if re listed below) of a claimed invention in the application.	
	wledge that any willful false statement made in this declaration is punishable under 18 by fine, or imprisonment of not more than five (5) years, or both.	

ASSIGNMENT

THIS ASSIGNMENT, by <u>Hiroki YAMAGUCHI, Masayuki SUGIKI and Kunio NAKATA</u>, (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements set forth in an application for Letters Patent of the United States identified above,

WHEREAS, <u>Ajinomoto Co., Inc.</u>, a corporation duly organized under and pursuant to the laws of <u>Japan</u> and having a principal place of business at <u>15-1, Kyobashi 1-chome, Chuo-ku, Tokyo 104-8315</u> <u>Japan</u> (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, 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 consideration, the receipt of which is hereby acknowledged, the 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 inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and 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 the 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, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the 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, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents 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 or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of Cermak Nakajima McGowan LLP, of Alexandria, Virginia, to insert in the spaces provided above the filing date, application number, and attorney's docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

DATE Oct. 11.2019	SIGNATURE OF FIRST INVENTOR	Histo Jungsoli
		Hiroki YAMAGUCHI
DATE	SIGNATURE OF SECOND INVENTOR	
		Masayuki SUGIKI
DATE	SIGNATURE OF THIRD INVENTOR	
		Kunio NAKATA

COMBINED ASSIGNMENT AND DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (JOINT)

DECLARATION

As a below named inventor. I hereby declare that:

This declaration is directed to:

MUTATED HISTIDINE DECARBOXYLASE AND USE THEREOF which (check only one item below): П is attached hereto and/or is deposited in the United States Patent and Trademark Office on even date herewith. was filed as United States Patent application Number 16/566,236 on September 10, 2019 \boxtimes and was amended on ____ (if applicable). П was filed as PCT International application Number ____ on ___ and was amended on _____ (if applicable). The above-identified application was made or authorized to be made by me. I believe that I am the original inventor (if only one name is listed below) or an original joint inventor (if plural names are listed below) of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18

U.S.C. § 1001 by fine, or imprisonment of not more than five (5) years, or both.

ASSIGNMENT

THIS ASSIGNMENT, by Hiroki YAMAGUCHI, Masayuki SUGIKI and Kunio NAKATA, (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements set forth in an application for Letters Patent of the United States identified above,

WHEREAS, Ajinomoto Co., Inc., a corporation duly organized under and pursuant to the laws of Japan and having a principal place of business at 15-1, Kyobashi 1-chome, Chuo-ku, Tokyo 104-8315 Japan (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, 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 consideration, the receipt of which is hereby acknowledged, the 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 inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and 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 the 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, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the 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, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents 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 or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of Cermak Nakajima McGowan LLP, of Alexandria, Virginia, to insert in the spaces provided above the filing date, application number, and attorney's docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

DATE SIGNATURE OF FI	RST INVENTOR
	Hiroki YAMAGUCHI
DATE OCT. 11-20/9 SIGNATURE OF S	ECOND INVENTOR Masayuk Sugiki Masayuki SUGIKI
DATE SIGNATURE OF T	

COMBINED ASSIGNMENT AND DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (JOINT)

DECLARATION

As a below named inventor, I hereby declare that:

This declaration is directed to:

nis deciara	ation is directed to:	
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	is attached hereto and/or is deposited in the United States Patent and Trademark Office on even date herewith.	
	was filed as United States Patent application Number <u>16/566,236</u> on <u>September 10, 2019</u> and was amended on (if applicable).	
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he above-	identified application was made or authorized to be made by me.	
	at I am the original inventor (if only one name is listed below) or an original joint inventor (if s are listed below) of a claimed invention in the application.	
	knowledge that any willful false statement made in this declaration is punishable under 18 01 by fine, or imprisonment of not more than five (5) years, or both.	
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DATESIGNATURE OF F	FIRST INVENTOR Hiroki YAMAGUCHI	
DATESIGNATURE OF	SECOND INVENTOR Masavuki SLIGIKI	
DATE Oct , 11, 2019 SIGNATURE OF	SECOND INVENTOR Masayuki SUGIKI THIRD INVENTOR Kunio NAKATA	2

- 2 -