505070232 08/29/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TSUTOMU SATO	08/22/2018
KOTONE OKUNO	08/22/2018
TOSHIHIKO TAKEHANA	08/22/2018
SEIJI KOIKE	08/22/2018

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16080928

CORRESPONDENCE DATA

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NAME OF SUBMITTER: KATHY SMITH DIAS, ESQ.

PATENT REEL: 046743 FRAME: 0728

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SIGNATURE:	/Kathy Smith Dias/
DATE SIGNED:	08/29/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 4	
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PATENT REEL: 046743 FRAME: 0729

ASSIGNMENT AND DECLARATION

WHEREAS, We,

Tsutomu SATO, a citizen of Japan, whose address is c/o Faculty of Agriculture, Niigata University, 8050, Ikarashi ni-nocho, Nishi-ku, Niigata-shi, Niigata 950-2181, JAPAN;

Kotone OKUNO, a citizen of Japan, whose address is c/o Faculty of Agriculture, Niigata University, 8050, Ikarashi ni-nocho, Nishi-ku, Niigata-shi, Niigata 950-2181, JAPAN;

Toshihiko TAKEHANA, a citizen of Japan, whose address is c/o, ADEKA CORPORATION, 2-35, Higashiogu 7-chome, Arakawa-ku, Tokyo 116-8554, JAPAN; and

Seiji KOIKE, a citizen of Japan, whose address is c/o, ADEKA CORPORATION, 2-35, Higashiogu 7-chome, Arakawa-ku, Tokyo 116-8554, JAPAN

have invented certain new and useful improvements in

MUTATED TETRAPRENYL- β -CURCUMENE CYCLASE AND METHOD FOR PRODUCING AMBREIN

which is the subject of	f United	States Application Serial Number	16/080,928	filed
August 29, 2018	, and			

WHEREAS, NIIGATA UNIVERSITY, of 8050, Ikarashi ni-nocho, Nishi-ku, Niigata-shi, Niigata 950-2181, Japan, and ADEKA CORPORATION, of 2-35, Higashiogu 7-chome, Arakawa-ku, Tokyo 116-8554, Japan, are desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application; and

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which We hereby acknowledge, We, Tsutomu SATO, Kotone OKUNO, Toshihiko TAKEHANA, and Seiji KOIKE, do hereby assign, transfer and set over to NIIGATA UNIVERSITY and ADEKA CORPORATION, their successors, legal representatives and assigns, the entire right title and

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interest in, to and under said improvements, of above-identified application - including the right to claim priority to said application - all divisions, renewals and continuations thereof, and all Letters Patent which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and We hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to NIIGATA UNIVERSITY and ADEKA CORPORATION, their successors, legal representatives and assigns, in accordance with the terms of this instrument;

AND WE HEREBY covenant that We have full right to convey the entire interest herein assigned, and that We have not executed, and will not execute, any agreement in conflict herewith;

AND WE HEREBY further covenant and agree that We will communicate to NIIGATA UNIVERSITY and ADEKA CORPORATION, their successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid NIIGATA UNIVERSITY and ADEKA CORPORATION, their successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries;

AND WE HEREBY grant Heslin Rothenberg Farley & Mesiti, P.C. 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;

AND WE HEREBY, as the above named inventors, declare that the above-identified application was made or authorized to be made by us;

AND WE HEREBY, as the above named inventors, declare that we believe that we are original joint inventors of a claimed invention in the above-identified application;

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AND WE HEREBY state that we have reviewed and understand the contents of the above-identified specification, including the claims;

AND WE HEREBY acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to us to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

AND WE HEREBY declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that any willful false statements and the like so made in this declaration are punishable by fine or imprisonment of not more than five (5) years, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

August , 20	18.
	Tsutoma Sato
	Tsutomu SATO
IN TESTIMONY WHEREC	OF, I hereunto set my hand and seal this 22nd day of 18.
	Kotove Ofuno
	Kotone OKUNO

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22nd day of August, 2018.
Toshihiko TAKEHANA
Toshihiko TAKEHANA
IN TESTIMONY WHEREOF, I hereunto set my hand and seal this <u>22nd</u> day of <u>August</u> , 2018.
<u> </u>
Seiji KØIKE