

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5636036

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	HIROKUNI MIYAMOTO	01/22/2016
	KIROAKI KODAMA	01/17/2016
	HISASHI MIYAMOTO	01/22/2016
	TAKUMI NISHIUCHI	02/04/2016
	KAZUTO ISHIKAWA	12/28/2015
	KAZUO OGAWA	01/22/2016
	TOSHIYUKI ITO	01/22/2016
	TAKUYA KAMITAI	04/05/2016
	KENSHIRO OSHIMA	01/22/2016
	WATARU SUDA	04/22/2016
	MASAHIRA HATTORI	01/22/2016
RECEIVING PARTY DATA		
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State/Country:	JAPAN	
Postal Code:	2600034	
Name:	NATIONAL UNIVERSITY CORPORATION CHIBA UNIVERSITY	
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City:	CHIBA	
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Postal Code:	2638522	
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City:	OITA	
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Postal Code:	8730021	
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Street Address:	8-8, ICHIKAWAMINAMI 2-CHOME, ICHIKAWA-SHI	
City:	CHIBA	

PATENT

State/Country:	JAPAN
Postal Code:	272033

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16521799

CORRESPONDENCE DATA

Fax Number: (404)521-4286
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: 678-483-8899
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Correspondent Name: MCCLURE, QUALEY & RODACK, LLP
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ATTORNEY DOCKET NUMBER:	342303-1241
NAME OF SUBMITTER:	M. PAUL QUALEY, JR.
SIGNATURE:	/M. Paul Qualey, Jr./
DATE SIGNED:	07/25/2019

Total Attachments: 13
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ASSIGNMENT
OF UTILITY PATENT APPLICATION

WHEREAS, the following parties:

<u>Name</u>	<u>Address</u>
Hirokuni MIYAMOTO	c/o Japan Eco Science Co., Ltd. 211, 11-1, Shiomigaoka-cho, Chuo-ku Chiba-shi Chiba 2600034, Japan
Kiroaki KODAMA	c/o National University Corporation Chiba University Graduate School of Advanced Integration Science 1-33, Yayoi-cho, Inage-ku, Chiba-shi Chiba 2638522, Japan
Hisashi MIYAMOTO	c/o Miroku Co., Ltd. 706-banchi 27, Oaza Iwaya, Kitsuki-shi Oita 8730021, Japan
Takumi NISHIUCHI	c/o National University Corporation Kanazawa University Nu7-banchi, Kakumamachi, Kanazawa-shi Ishikawa 9201192, Japan
Kazuto ISHIKAWA	c/o National University Corporation Chiba University Graduate School of Horticulture 648, Matsudo, Matsudo-shi Chiba 2718510, Japan
Kazuo OGAWA	c/o Keiyo Plant Engineering Co., Ltd. 8-8, Ichikawaminami 2-chome, Ichikawa-shi Chiba 2720033, Japan
Toshiyuki ITO	c/o Keiyo Plant Engineering Co., Ltd. 8-8, Ichikawaminami 2-chome, Ichikawa-shi Chiba 2720033, Japan
Takuya KAMITAI	c/o Juridical Agricultural Union Takkonameko Farm, 52 Aza-Sugimoto, Ishigame Takko-machi Sannohe-gun Aomori 0390312, Japan

Kenshiro OSHIMA c/o National University Corporation Tokyo
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1-5, kashiwanoha, 5-chome, Kashiwa-shi
Chiba 2778561, Japan

Wataru SUDA c/o National University Corporation Tokyo
University Graduate School of Frontier Sciences
1-5, kashiwanoha, 5-chome, Kashiwa-shi
Chiba 2778561, Japan

Masahira HATTORI c/o National University Corporation Tokyo
University Graduate School of Frontier Sciences
1-5, kashiwanoha, 5-chome, Kashiwa-shi
Chiba 2778561, Japan

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements ("invention(s)") as described and set forth in the below-identified utility application for United States Letters Patent entitled:

**MICROBIAL MATERIAL FOR REDUCING SOIL/WATER QUALITY
CONTAMINATION, RESTRICTING WARMING GAS GENERATION, AND
IMPROVING PLANT FUNCTION, AND METHOD FOR MANUFACTURING
FERMENTATION PRODUCT**

which was:

- executed on even date herewith,
 filed with the United States Patent and Trademark Office (USPTO) on and
assigned Serial No. , and
 further described in U.S. Provisional application entitled , filed with the
USPTO on , and assigned Serial No. .

Note: Only one of the first two checkboxes will be checked. The third checkbox will be checked, only if appropriate.

WHEREAS, Japan Eco Science Co., Ltd., having a place of business at 211, 11-1, Shiomigaoka-cho, Chuo-ku, Chiba-shi, Chiba 2600034 Japan and National University Corporation Chiba University, having a place of business at 1-33, ~~Yoyoi-cho~~ ^{Yoyoi-cho} Inage-ku, Chiba-shi, Chiba 2638522 Japan and Miroku Co., Ltd., having a place of business at 706-banchi 27, Oaza Iwaya, Kitsuki-shi, Oita 8730021, Japan and Keiyo Plant Engineering Co., Ltd., having a place of business at 8-8, Ichikawaminami 2-chome, Ichikawa-shi, Chiba ~~271-0333~~ ²⁷¹⁻⁰³³³ Japan, hereinafter referred to as ASSIGNEE, are desirous of acquiring ASSIGNOR'S interest in and to

said invention(s), said utility application, said provisional application, and any U.S. and foreign patents which are related to the same.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR, ASSIGNOR has sold, assigned and transferred and does hereby sell, assign and transfer unto ASSIGNEE, and ASSIGNEE'S successors and assigns, (a) the entire right, title and interest, for the United States of America, in and to said invention(s), said utility application, and said Provisional application and all the rights and privileges in any application and under any and all patents that may be granted in the U.S. for said inventions, including all corresponding provisional, continuation, continuation-in-part, divisional, reissue, and reexamination applications; and (b) the entire right, title and interest in and to said invention(s), said utility application, and said provisional application for all countries foreign to the U.S., including all rights of priority arising from them, and all the rights and privileges under any and all forms of protection, including patents, that may be granted in said countries foreign to the U.S. for them.

ASSIGNOR authorizes ASSIGNEE to make application for such protection in its own name and maintain such protection in any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said Inventions, without further authorization from ASSIGNOR, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

ASSIGNOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of ASSIGNEE to apply for patent or other form of protection for said Inventions, said utility application, or said provisional application and to claim the aforesaid benefit of the right of priority.

ASSIGNOR requests that any and all patents for said inventions be issued to ASSIGNEE in the U.S. and to ASSIGNEE in all countries foreign to the U.S., or to such nominee as ASSIGNEE may designate.

ASSIGNOR covenants and agrees that, when requested, ASSIGNOR shall, without charge to ASSIGNEE but at ASSIGNEE'S expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said invention(s), and for the defense and protection thereof if challenged in the court of law.

ASSIGNOR authorizes ASSIGNEE or its agents to insert, on ASSIGNOR'S behalf, the filing date and/or serial number above pertaining to the utility application and/or the provisional application, if not known as of the date of execution of this document.

ASSIGNOR authorizes ASSIGNEE to make application for such protection in its own name and maintain such protection in any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from ASSIGNOR, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

ASSIGNOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of ASSIGNEE to apply for patent or other form of protection for said inventions, said utility application, or said provisional application and to claim the aforesaid benefit of the right of priority.

ASSIGNOR requests that any and all patents for said inventions be issued to ASSIGNEE in the U.S. and to ASSIGNEE in all countries foreign to the U.S., or to such nominee as ASSIGNEE may designate.

ASSIGNOR covenants and agrees that, when requested, ASSIGNOR shall, without charge to ASSIGNEE but at ASSIGNEE'S expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said invention(s), and for the defense and protection thereof if challenged in the court of law.

ASSIGNOR authorizes ASSIGNEE or its agents to insert, on ASSIGNOR'S behalf, the filing date and/or serial number above pertaining to the utility application and/or the provisional application, if not known as of the date of execution of this document.

Hirokuni Miyamoto
Hirokuni MIYAMOTO

Date: January 22, 2016

Hisashi MIYAMOTO
Witness

Date: January 22, 2016

Witness

Date: _____

Hiroaki Kodama.
Hiroaki KODAMA

Date: 17th. Jan. 2016

Witness

Date: _____

Witness

Date: _____

Hisashi MIYAMOTO

Hisashi MIYAMOTO

Date: January 22, 2016

Hirokuni Miyamoto

Witness

Date: January 27, 2016

Witness

Date: _____

T. Nishuchi
Takumi NISHIUCHI

Date: 2/4/2016

Witness

Date: _____

Witness

Date: _____

Kazuto Ishikawa
Kazuto ISHIKAWA

Date: 12/28/2015

Witness

Date: _____

Witness

Date: _____

Kazuo Ogawa
Kazuo OGAWA

Date: January 22, 2016

Hirokuni Miyamoto
Witness

Date: January 22, 2016

Toshiyuki Ito
Witness

Date: January 22, 2016

Toshiyuki Ito
Toshiyuki ITO

Date: January 22, 2016

Hirokuni Miyamoto
Witness

Date: January 22, 2016

Kazuo Ogawa
Witness

Date: January 22, 2016

Yoko KAMITAI
Takuya KAMITAI

Date: _____

Hirokuni Miyamoto
Witness

Date: _____

Witness

Date: _____

Kenshiro Oshima
Kenshiro OSHIMA

Date: Jan 22, 2016

Wataru Suda
Witness

Date: January 22, 2016

M HATAI
Witness

Date: January 22, 2016

Wataru Suda
Wataru SUDA

Date: January 22, 2016

Kenshiro Oshima
Witness

Date: Jan 22, 2016

M HATAI
Witness

Date: January 22, 2016

M HATAI
Masahira HATTORI

Date: January 22, 2016

Wataru Suda
Witness

Date: January 22, 2016

Kenshiro Oshima
Witness

Date: Jan 22, 2016

Doc code: Oath
Document Description: Oath or declaration filed

PTO/AIA/02 (07-13)
Approved for use through 04/30/2017. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

SUBSTITUTE STATEMENT IN LIEU OF AN OATH OR DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (35 U.S.C. 115(d) AND 37 CFR 1.64)

Title of Invention	MICROBIAL MATERIAL FOR REDUCING SOIL/WATER QUALITY CONTAMINATION, RESTRICTING WARMING GAS GENERATION, AND IMPROVING PLANT FUNCTION, AND METHOD FOR MANUFACTURING FERMENTATION PRODUCT		
This statement is directed to:			
<input type="checkbox"/> The attached application,			
OR			
<input checked="" type="checkbox"/> United States application or PCT international application number <u>14/901,374</u> filed on <u>December 28, 2015</u>			
LEGAL NAME of inventor to whom this substitute statement applies:			
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Takuya KAMITAI			
Residence (except for a deceased or legally incapacitated inventor):			
City	State	Country	
Mailing Address (except for a deceased or legally incapacitated inventor):			
City	State	Zip	Country
I believe the above-named inventor or joint inventor to be the original inventor or an original joint inventor of a claimed invention in the application.			
The above-identified application was made or authorized to be made by me.			
I hereby acknowledge that any willful false statement made in this statement is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.			
Relationship to the inventor to whom this substitute statement applies:			
<input checked="" type="checkbox"/> Legal Representative (for deceased or legally incapacitated inventor only),			
<input type="checkbox"/> Assignee,			
<input type="checkbox"/> Person to whom the inventor is under an obligation to assign,			
<input type="checkbox"/> Person who otherwise shows a sufficient proprietary interest in the matter (petition under 37 CFR 1.46 is required), or			
<input type="checkbox"/> Joint Inventor.			

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

SUBSTITUTE STATEMENT

Circumstances permitting execution of this substitute statement:

- Inventor is deceased,
 Inventor is under legal incapacity,
 Inventor cannot be found or reached after diligent effort, or
 Inventor has refused to execute the oath or declaration under 37 CFR 1.63.

If there are joint inventors, please check the appropriate box below:

- An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) naming the entire inventive entity has been or is currently submitted.
OR
 An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) has not been submitted. Thus, a Substitute Statement Supplemental Sheet (PTO/AIA/11 or equivalent) naming the entire inventive entity and providing inventor information is attached. See 37 CFR 1.64(b).

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

PERSON EXECUTING THIS SUBSTITUTE STATEMENT:

Name: **Yoko KAMITAI** Date (Optional):

Signature: *Yoko Kamitai*

APPLICANT NAME AND TITLE OF PERSON EXECUTING THIS SUBSTITUTE STATEMENT:

If the applicant is a juristic entity, list the applicant name and the title of the signer:

Applicant Name:

Title of Person Executing
This Substitute Statement:

The signer, whose title is supplied above, is authorized to act on behalf of the applicant.

Residence of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent):

City **Takko-machi Sannohe-gun** State **Aomori** Country **Japan**

Mailing Address of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent)

c/o Juridical Agricultural Union
Takkonameko Farm, 52 Aza-Sugimoto, Ishigame Takko-machi Sannohe-gun Aomori 0390312, Japan

City **Takko-machi Sannohe-gun** State **Aomori** Zip **0390312** Country **Japan**

Note: Use an additional PTO/AIA/02 form for each inventor who is deceased, legally incapacitated, cannot be found or reached after diligent effort, or has refused to execute the oath or declaration under 37 CFR 1.63.