506862857 09/10/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6909677

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KEN GOTO	05/12/2016
KOHEI SASAKI	05/20/2016
AKINORI KOUKITU	04/22/2016
YOSHINAO KUMAGAI	04/22/2016
HISASHI MURAKAMI	04/22/2016

RECEIVING PARTY DATA

Name:	NATIONAL UNIVERSITY CORPORATION TOKYO UNIVERSITY OF AGRICULTURE AND TECHNOLOGY
Street Address:	3-8-1, HARUMI-CHO, FUCHU-SHI
City:	TOKYO
State/Country:	JAPAN
Postal Code:	183-8538

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17471395

CORRESPONDENCE DATA

Fax Number: (516)742-4366

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.

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Correspondent Name: SCULLY, SCOTT, MURPHY & PRESSER, P.C.

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ATTORNEY DOCKET NUMBER:	33357Z	
NAME OF SUBMITTER:	DREW BERWEGER	
SIGNATURE:	/Drew Berweger/	
DATE SIGNED:	09/10/2021	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

PATENT REEL: 057442 FRAME: 0954

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PATENT REEL: 057442 FRAME: 0955

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION AND ASSIGNMENT

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This declaration the attached application, or is directed to:
X United States application or PCT international application number 15/025,956 filed on March 30, 2016; and
entitled: METHOD FOR GROWING eta — G a 2 O 3 -BASED SINGLE CRYSTAL FILM AND CRYSTALLINE LAYERED STRUCTURE

The above-identified application was made or authorized to be made by me.

As a below named inventor. I hereby declare that:

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

Whereas, the undersigned inventor(s) has/have made certain inventions, improvements and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application;

Whereas, NATIONAL UNIVERSITY CORPORATION TOKYO UNIVERSITY OF AGRICULTURE AND TECHNOLOGY, a corporation of Japan, having a place of business at 3-8-1, Harumi-cho, Fuchu-shi, Tokyo 183-8538 Japan, desires to acquire, and each undersigned inventor desires to grant to NATIONAL UNIVERSITY CORPORATION TOKYO UNIVERSITY OF AGRICULTURE AND TECHNOLOGY, the entire worldwide right, title and interest in and to any and all patent applications and patents directed thereto;

Now, therefore, in consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, each undersigned inventor ("ASSIGNOR") hereby sells, assigns and transfers to NATIONAL UNIVERSITY CORPORATION TOKYO UNIVERSITY OF AGRICULTURE AND TECHNOLOGY (the "ASSIGNEE"), its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including

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all divisional, continuing, substitute, reexamination, renewal, reissue and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Commissioner of Patents to issue, in accordance with this assignment, any and all United States Letters Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention to said Assignee, the corporation above named, its successors, assigns and legal representatives; and agreeing to carry out in good faith the intent and purpose of this assignment, the undersigned will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee its successors, assigns and representatives, all facts known to the undersigned relating to said improvements and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

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.

Legal name of sole or first inventor	
Ken GOTO	
Sole or first inventor's signature 农 旅	Date May 12, 2016
	,
Legal name of second inventor	
Kohei SASAKI	_
Second inventor's signature	Date 80 May 20. 2016
Legal name of third inventor	
Akinori KOUKITU	
Second inventor's signature	Date

Legal name of fourth inventor	
Yoshinao KUMAGAI	
Second inventor's signature	Date
Legal name of fifh inventor	
Hisashi MURAKAMI	
Second inventor's signature	Date

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION AND ASSIGNMENT

As a below named inventor, I hereby declare that:

This declaration the attached application, or is directed to:
X United States application or PCT international application number 15/025,956 filed on March 30, 2016; and
entitled: METHOD FOR GROWING β — G a 2 O 3 -BASED SINGLE CRYSTAL FILM, AND CRYSTALLINE LAYERED STRUCTURE
The above-identified application was made or authorized to be made by me.
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
I hereby state that I have reviewed and understand the contents of the above-identified application including the claims.
I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56.
Whereas, the undersigned inventor(s) has/have made certain inventions, improvements and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent

application;

Whereas, NATIONAL UNIVERSITY CORPORATION TOKYO UNIVERSITY OF AGRICULTURE AND TECHNOLOGY, a corporation of Japan, having a place of business at 3-8-1, Harumi-cho, Fuchu-shi, Tokyo 183-8538 Japan, desires to acquire, and each undersigned inventor desires to grant to NATIONAL UNIVERSITY CORPORATION TOKYO UNIVERSITY OF AGRICULTURE AND TECHNOLOGY, the entire worldwide right, title and interest in and to any and all patent applications and patents directed thereto;

Now, therefore, in consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, each undersigned inventor ("ASSIGNOR") hereby sells, assigns and transfers to NATIONAL UNIVERSITY CORPORATION TOKYO UNIVERSITY OF AGRICULTURE AND TECHNOLOGY (the "ASSIGNEE"), its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including

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all divisional, continuing, substitute, reexamination, renewal, reissue and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Commissioner of Patents to issue, in accordance with this assignment, any and all United States Letters Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention to said Assignee, the corporation above named, its successors, assigns and legal representatives; and agreeing to carry out in good faith the intent and purpose of this assignment, the undersigned will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee its successors, assigns and representatives, all facts known to the undersigned relating to said improvements and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives;

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

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.

Date	
Date	
Date Apr: 122, 20/6	

Legal name of fourth invento Yoshinao KUMAGAI	r	
Second inventor's signature	Madinao Kimagai	Date April 22,2016
	. 0	
Legal name of fifth inventor		
Hisashi MURAKAMI		
Second inventor's signature	Strovola Merakan	Date April 22, 2016