

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4149817

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KENICHI SHINMEI	11/01/2016
RASIKA DASANAYAKE ALUTHGE	11/01/2016
SUSUMU KOIZUMI	11/01/2016
MASASHI KANOH	11/01/2016
JAMES J. WATKINS	02/10/2015
YUYING TANG	02/10/2015

RECEIVING PARTY DATA

Name:	SEKISUI CHEMICAL CO., LTD.
Street Address:	4-4, NISHITEMMA 2-CHOME, KITA-KU, OSAKA-SHI
City:	OSAKA
State/Country:	JAPAN
Name:	THE UNIVERSITY OF MASSACHUSETTS
Street Address:	225 FRANKLIN STREET
City:	BOSTON
State/Country:	MASSACHUSETTS
Postal Code:	02110

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14556449

CORRESPONDENCE DATA

Fax Number: (703)716-1180

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: 703-716-1191

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Correspondent Name: GREENBLUM & BERNSTEIN, P.L.C.

Address Line 1: 1950 ROLAND CLARKE PLACE

Address Line 4: RESTON, VIRGINIA 20191

ATTORNEY DOCKET NUMBER: P46927

NAME OF SUBMITTER:	KENNETH SALEN
SIGNATURE:	/Kenneth Salen/
DATE SIGNED:	11/18/2016
Total Attachments: 8 source=P46927_Dec_Assignment#page1.tif source=P46927_Dec_Assignment#page2.tif source=P46927_Dec_Assignment#page3.tif source=P46927_Dec_Assignment#page4.tif source=P46927_Dec_Assignment#page5.tif source=P46927_Dec_Assignment#page6.tif source=P46927_Dec_Assignment#page7.tif source=P46927_Dec_Assignment#page8.tif	

COMBINED INVENTOR'S DECLARATION AND ASSIGNMENT**DECLARATION**

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

I believe I am the original inventor or an original joint inventor 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.

Authorization to Permit Access to Application by Participating Office

☒ If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the herein-identified patent application is filed access to the herein-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the herein-identified patent application is filed to have access to the herein-identified patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the herein-identified patent application with respect to: 1) the herein-identified patent application-as-filed; 2) any foreign application to which the herein-identified patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the herein-identified patent application; and 3) any U.S. application-as-filed from which benefit is sought in the herein-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

The undersigned hereby authorizes the U.S. attorney or agent appointed herein to accept and follow instructions from either his foreign patent agent or corporate representative, if any, as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned.

Direct Correspondence to: **CUSTOMER NUMBER 07055**

At: Greenblum & Bernstein, P.L.C.
1950 Roland Clarke Place
Reston, VA 20191

Direct Telephone Calls to: Greenblum & Bernstein, P.L.C. (703) 716-1191

ASSIGNMENT

WHEREAS, **Kenichi SHINMEI**, a resident of Kashiwa-shi, JAPAN, whose mailing address is c/o SEKISUI CHEMICAL CO., LTD., 32, Wadai, Tsukuba-shi, Ibaraki-ken, JAPAN, **Rasika DASANAYAKE ALUTHGE**, a resident of Tokyo, JAPAN, whose mailing address is c/o SEKISUI CHEMICAL CO., LTD., 32, Wadai, Tsukuba-shi, Ibaraki-ken, JAPAN, **Susumu KOIZUMI**, a resident of Ushiku-shi, JAPAN, whose mailing address is c/o SEKISUI CHEMICAL CO., LTD., 32, Wadai, Tsukuba-shi, Ibaraki-ken, JAPAN, and **Masashi KANO**, a resident of Tsukubamirai-shi, JAPAN, whose mailing address is c/o SEKISUI CHEMICAL CO., LTD., 32, Wadai, Tsukuba-shi, Ibaraki-ken, JAPAN, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

ELECTRICAL INSULATION LAYER AND BATTERY DEVICE

for which they have jointly executed an application for Letters Patent for the United States which was filed in the United States Patent and Trademark Office on December 1, 2014 and was awarded Application No. 14/556,449.

AND WHEREAS, **SEKISUI CHEMICAL CO., LTD.**, a corporation organized and existing under the laws of JAPAN, whose mailing address is 4-4, Nishitemma 2-chome, Kita-ku, Osaka-shi, Osaka, JAPAN, hereinafter known as the ASSIGNEE, desires to obtain or has obtained ASSIGNORS' entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof.

NOW, THIS WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEES, their assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor and all rights to sue for past and future infringement thereunder, said ASSIGNEES and their assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations, and prolongations thereof, for the use and benefit of said ASSIGNEES and their assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEES, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEES, their assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective date(s) indicated below.

First Witness (optional):

(Name)

(Date)



Kenichi SHINMEI

November 1, 2016

Date

Second Witness (optional):

(Name)

(Date)

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective date(s) indicated below.

First Witness (optional):

(Name)

(Date)

Rasika Dasanayake Aluthge
Rasika
DASANAYAKE ALUTHGE

November 1, 2016

Date

Second Witness (optional):

(Name)

(Date)

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective date(s) indicated below.

First Witness (optional):

(Name)

(Date)

Susumu Koizumi
Susumu KOIZUMI

November 1, 2016
Date

Second Witness (optional):

(Name)

(Date)

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective date(s) indicated below.

First Witness (optional):

(Name)

(Date)

Masashi KanoH

Masashi KANOH

November 1, 2016

Date

Second Witness (optional):

(Name)

(Date)

DECLARATION AND ASSIGNMENT

Title of Invention: **ELECTRICAL INSULATION LAYER AND BATTERY DEVICE**

As a below named inventor, I hereby declare that:

This declaration is directed to United States application number 14/556,449 filed on December 1, 2014 which claims priority to Provisional application number 61/911,104 filed on December 3, 2013.

The above-identified application was made or authorized to be made by me, and I have reviewed and understand the contents of the application, including the claims.

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

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 Section 1.56.

Whereas, each undersigned inventor has made certain inventions, improvements, and discoveries (herein referred to as the "INVENTION") disclosed in the above-identified patent application (herein referred to as the "APPLICATION");

Whereas, **THE UNIVERSITY OF MASSACHUSETTS**, having a business address at **225 Franklin Street, Boston, MA 02110** (herein referred to as "ASSIGNEE"), desires to attain or has attained, and each undersigned inventor desires to grant or has granted to ASSIGNEE, the entire worldwide right, title, and interest in and to the INVENTION and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, I, one of the undersigned inventors (herein referred to "ASSIGNOR"), hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to the ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the INVENTION, the APPLICATION, and any and all other patent applications and patents for the INVENTION which may be applied for or granted therefor in any and all countries and jurisdictions, including all divisionals, continuations, continuations-in-part, reissues, reexaminations, renewals, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents, and further including any right to sue for past infringement and to recover and retain damages and profits in respect thereof. In addition, I hereby authorize and request any official whose duty it is to issue patents, to issue any patent on said improvements or resulting therefrom to said ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and I agree for myself and my respective heirs, legal representatives, and assigns, without further compensation, to execute any and all documents, oaths and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the INVENTION, the APPLICATION, and all related patents and applications, in ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by ASSIGNEE, its successors, legal representatives, and assigns.

I also hereby grant ASSIGNEE, its successors, legal representatives, and assigns, the right to insert in this Declaration and Assignment any further identification of the APPLICATION (including, but not limited to, patent Application Number and filing date).

I hereby covenant that I have the full right to convey the entire right, title, and interest herein assigned and that I have not executed and will not execute any agreement in conflict herewith.

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.

Signature: _____

Date: 2/17/15

Legal Name of Inventor: **James J. Watkins**

Witness Signature _____

Date: 2/19/15

Witness Signature _____

Date: 2-19-15

PAUL J. CLARK

Printed Legal Name of Witness

Jo-Ann Bourguignon
Printed Legal Name of Witness

PATENT

REEL: 040369 FRAME: 0594

DECLARATION AND ASSIGNMENT

Title of Invention: **ELECTRICAL INSULATION LAYER AND BATTERY DEVICE**

As a below named inventor, I hereby declare that:

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Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, I, one of the undersigned inventors (herein referred to "ASSIGNOR"), hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to the ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the INVENTION, the APPLICATION, and any and all other patent applications and patents for the INVENTION which may be applied for or granted therefor in any and all countries and jurisdictions, including all divisionals, continuations-in-part, reissues, reexaminations, renewals, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents, and further including any right to sue for past infringement and to recover and retain damages and profits in respect thereof. In addition, I hereby authorize and request any official whose duty it is to issue patents, to issue any patent on said improvements or resulting therefrom to said ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and I agree for myself and my respective heirs, legal representatives, and assigns, without further compensation, to execute any and all documents, oaths and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the INVENTION, the APPLICATION, and all related patents and applications, in ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by ASSIGNEE, its successors, legal representatives, and assigns.

I also hereby grant ASSIGNEE, its successors, legal representatives, and assigns, the right to insert in this Declaration and Assignment any further identification of the APPLICATION (including, but not limited to, patent Application Number and filing date).

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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.

Signature: _____

Yuying Tang

Date: _____

2-10-2015

Legal Name of Inventor: **Yuying Tang**

Witness Signature _____

Jo Ann Bourquhar

Date: *2-10-15*

Witness Signature _____

Brenda Warren

Date: *2-10-15*

Printed Legal Name of Witness
Jo Ann Bourquhar

Printed Legal Name of Witness
Brenda Warren

PATENT