

<b>PATENT ASSIGNMENT COVER SHEET</b>
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KYOWA INDUSTRIAL CO., LTD.	12/12/2022
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<b>City:</b>	AICHI
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	464-8601
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
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<b>SIGNATURE:</b>	/Candice Lee/
<b>DATE SIGNED:</b>	12/19/2022

**Total Attachments: 3**

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ASSIGNMENT

WHEREAS, KYOWA INDUSTRIAL CO., LTD. (hereinafter Assignor), a corporation organized and existing under and by virtue of the laws of JAPAN, having an office at 18-18, SUGUE-CHO 4-CHOME, SANJO-SHI, NIIGATA, JAPAN 955-0832, is an owner of the entire right, title and interest in and to the following listed Patent Application in the United States by previous assignment(s);

U.S. Application No. 16/652,906, filed April 01, 2020

WHEREAS, TORAY INDUSTRIES, INC. and NATIONAL UNIVERSITY CORPORATION TOKAI NATIONAL HIGHER EDUCATION AND RESEARCH SYSTEM (hereinafter Assignees), corporations organized and existing under and by virtue of the laws of JAPAN, having offices at 1-1, NIHONBASHI-MUROMACHI 2-CHOME, CHUO-KU, TOKYO, JAPAN 103-8666 and 1, FURO-CHO, CHIKUSA-KU, NAGOYA-SHI, AICHI, JAPAN 464-8601, respectively, are desirous of acquiring the entire right, title and interest in and to the invention(s) described and claimed in said Patent Application;

NOW, THEREFORE, for good and valuable consideration, the receipt of and sufficiency of which are hereby acknowledged, said Assignor has sold, assigned and transferred and does hereby sell, assign and transfer unto said Assignees, their successors and assigns, its entire undivided right, title and interest in and to the said Patent Application and the invention(s) therein contained, including the right to sue for past infringement, and including the right to apply for any Letters Patent in the United States of America and in all foreign countries on said invention and including the right to claim the priority of the date of filing in the United States and any Letters Patent that may issue thereon, or therefor, in the United States and foreign countries and any further applications, including but not limited to continuations, divisionals, reissues and reexaminations, to

be held and enjoyed by said Assignees, their successors and assigns, the same as it would have been held and enjoyed by said Assignor if this assignment and sale had not been made.

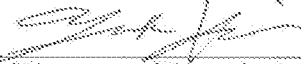
Said Assignor hereby represents and warrants that there are no rights or interests outstanding inconsistent with the rights and interest granted herein and that said Assignor will not execute any instrument or grant or transfer any rights or interests inconsistent therewith, and said Assignor binds itself and its heirs, executors, administrators, employees and legal representatives, as the case may be, to execute and deliver to said Assignees, their successors and assigns, any further documents or instruments and do any and all further acts that may be deemed necessary by said Assignees, their successors and assigns, to file applications for improvements and inventions in any country where it may elect to file such applications, and that may be necessary to vest in said Assignees, their successors and assigns, the title herein conveyed, or intended so to be, and to enable such title to be recorded in the United States and foreign countries where such application or applications may be filed.

AND, said Assignor further covenants and agrees, in consideration of the premises, that it, its executors and administrators, will, at any time upon request, communicate to said Assignees, their successors and assigns, any facts relating to the said invention and improvements and the history thereof, known to it or its successors and assigns, and that it will testify as to the same in any interference or other proceeding when requested to do so by said Assignees, their successors and assigns.

The undersigned hereby grants the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any farther identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

KYOWA INDUSTRIAL CO., LTD.,

By:

  
[Signature of the authorized officer for  
Kyowa Industrial Co., Ltd.]

Date:

December 12, 2022

[Date of signature of authorized officer for  
Kyowa Industrial Co., Ltd.]

Name:

Yusuke Kumagai

[Printed or typed name of authorized officer  
for Kyowa Industrial Co., Ltd.]

Title:

President

[Title of the authorized officer for  
Kyowa Industrial Co., Ltd.]