03/12/2019 505369167

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT5415959

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KEISUKE SHIGETA	03/11/2019
SHIRO KOBAYASHI	03/11/2019

RECEIVING PARTY DATA

Name:	ASAHI KASEI KABUSHIKI KAISHA
Street Address:	1-1-2 YURAKUCHO, CHIYODA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-0006

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16296210

CORRESPONDENCE DATA

Fax Number: (000)000-0000

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: (408) 213-8153 Email: usdocket@ryuka.com **Correspondent Name:** RYUKA USA LLP

Address Line 1: 111 NORTH MARKET STREET

Address Line 2: SUITE 300

Address Line 4: SAN JOSE, CALIFORNIA 95113

NAME OF SUBMITTER:	ADAM S. LANGLEY
SIGNATURE:	/Adam S. Langley/
DATE SIGNED:	03/11/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2

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> **PATENT REEL: 048566 FRAME: 0552** 505369167

Applicant's Ref. No.: 160646US01 Attorney's Docket No.: ASK-0166PCTUS

COMBINED DECLARATION(37 CFR § 1.63) FOR UTILITY DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR § 1.76) AND ASSIGNMENT

As the below named inventor, I hereby declare that:

This declaration is directed to the United States application No. $\underline{16/296210}$ filed on March 7, 2019.

The above-identified application was made or was 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 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.

WHEREAS I, the undersigned inventor, hereafter also referred to as "assignor", have invented certain new and useful improvements described in the above identified application; and

WHEREAS, ASAHI KASEI KABUSHIKI KAISHA hereinafter also referred to as "assignee", whose address is 1-1-2 Yurakucho, Chiyoda-ku, Tokyo 100-0006 Japan, is desirous of acquiring the entire right, title and interest in and to the application and invention, and to any United States patents to be obtained therefor;

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title, and interest in the application and the invention disclosed therein for the United States of America, including all divisions and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including any right to bring or maintain an action for infringement under the provisional rights granted pursuant to Title 35, Section 154 of the United States Code or any other cause of action for acts which would constitute infringement occurring prior to this assignment, and including the right to claim priority under the International Conventions of Paris (1883), as amended, of or in any corresponding foreign patent application, and I request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns.

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Inventor's S	ignature	Keisuke	ShipeTa	Date March 11, 20/9
	-			

Keisuke SHIGETA

Legal Name of Inventor

PATENT REEL: 048566 FRAME: 0553

Applicant's Ref. No.: 160646US01 Attorney's Docket No.: ASK-0166PCTUS

COMBINED DECLARATION (37 CFR § 1.63) FOR UTILITY DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR § 1.76) AND ASSIGNMENT

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WHEREAS I, the undersigned inventor, hereafter also referred to as "assignor", have invented certain new and useful improvements described in the above identified application; and

WHEREAS, ASAHI KASEI KABUSHIKI KAISHA hereinafter also referred to as "assignee", whose address is 1-1-2 Yurakucho, Chiyoda-ku, Tokyo 100-0006 Japan, is desirous of acquiring the entire right, title and interest in and to the application and invention, and to any United States patents to be obtained therefor;

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title, and interest in the application and the invention disclosed therein for the United States of America, including all divisions and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including any right to bring or maintain an action for infringement under the provisional rights granted pursuant to Title 35, Section 154 of the United States Code or any other cause of action for acts which would constitute infringement occurring prior to this assignment, and including the right to claim priority under the International Conventions of Paris (1883), as amended, of or in any corresponding foreign patent application, and I request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns.

Legal Name	of Inventor	Shiro KOBAYASHI	
Inventor's	Signature	8. Kalayash'	Date March 11, 2019

PATENT REEL: 048566 FRAME: 0554

RECORDED: 03/12/2019