#### 504565602 09/26/2017

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
KAZUYOSHI MANABE	07/31/2017
NORITSUGU UMEHARA	08/01/2017
HIROYUKI KOUSAKA	07/31/2017
KAZUYUKI ICHIMURA	08/15/2017

### **RECEIVING PARTY DATA**

Name:	TOYOTA JIDOSHA KABUSHIKI KAISHA
Street Address:	1, TOYOTA-CHO
City:	TOYOTA-SHI, AICHI
State/Country:	JAPAN
Postal Code:	471-8571
Name:	NATIONAL UNIVERSITY CORPORATION NAGOYA UNIVERSITY
Street Address:	1, FURO-CHO, CHIKUSA-KU
City:	NAGOYA-SHI, AICHI
State/Country:	JAPAN
Postal Code:	464-8601

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15715416

## **CORRESPONDENCE DATA**

Fax Number: (202)293-7068

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: 202-293-7060

Email: sughrue@sughrue.com, bgalvez@sughrue.com

**Correspondent Name:** SUGHRUE MION, PLLC

Address Line 1: 2100 PENNSYLVANIA AVENUE, N.W.

Address Line 2: SUITE 800

Address Line 4: WASHINGTON, D.C. 20037

ATTORNEY DOCKET NUMBER: Q235637

> **PATENT** REEL: 043702 FRAME: 0664

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NAME OF SUBMITTER:	BYRON F. GALVEZ
SIGNATURE:	/Byron Galvez/
DATE SIGNED:	09/26/2017
Total Attachments: 4	
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PATENT REEL: 043702 FRAME: 0665

TAUGULIA DE LA VOLUE I VO.
Assignment of Application
WHEREAS, I (WE) Kazuyoshi MANABE of Toyota-shi Aichi, Japan,
Noritsugu UMEHARA of Nagoya-shi Aichi, Japan,
Hiroyuki KOUSAKA of Nagoya-shi Aichi, Japan,
Kazuyuki ICHIMURA, of Nagoya-shi Aichi, Japan,
respectively, have invented certain new and useful improvements in: SLIDING MEMBER
AND METHOD FOR PRODUCING THE SAME
for which an application for Letters Patent was executed on
(Japanese Patent Application No. 2016-190212, filed September 28, 2016), and
WHEREAS, TOYOTA JIDOSHA KABUSHIKI KAISHA and
NATIONAL UNIVERSITY CORPORATION NAGOYA UNIVERSITY
(hereinafter referred to as "ASSIGNEES")having a place of business at:
1, Toyota-cho, Toyota-shi, Aichi 471-8571 Japan and
1, Furo-cho, Chikusa-ku, Nagoya-shi, Aichi 464-8601 Japan
is desirous of acquiring the entire right, title and interest in and to said invention and in and to
any Letters Patent that may be granted therefore in the United States and its territorial
possessions and in any and all foreign countries;

Attorney's Docket No :

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEES, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefore in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any official of any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the assignce of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

PATENT REEL: 043702 FRAME: 0666 Further, I (WE) agree that I (WE) will communicate to said ASSIGNEES or its legal representatives and assigns covenant and any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of SUGHRUE MION, PLLC, 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 U.S.A. the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: July 31, 2017	Kazugoshi Manabe.
	(Signature of inventor) Kazuyoshi MANABE
Date:	
	(Signature of inventor) Noritsugu UMEHARA
Date:	
	(Signature of inventor) Hiroyuki KOUSAKA
Date:	
	(Signature of inventor) Kazuyuki ICHIMURA

PATENT REEL: 043702 FRAME: 0667 Further, I (WE) agree that I (WE) will communicate to said ASSIGNEES or its legal representatives and assigns covenant and any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

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Date:	
	(Signature of inventor) Kazuyoshi MANABE
Date: Aug / , 2017	M. Uha
,	(Signature of inventor) Noritsugu UMEHARA
Date:	
	(Signature of inventor) Hiroyuki KOUSAKA
Date: Aug 15, 2017	Kazuyyki Ichimura
	(Signature of inventor) Kazuwaki ICHIMIIR A

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEES or its legal representatives and assigns covenant and any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

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Date:	
	(Signature of inventor) Kazuyoshi MANABE
•	
Date:	
,	(Signature of inventor) Noritsugu UMEHARA
	AR Hirozuki Kousaka
Date: July 3/. 2017	14
Date: 04/9. 7/. 201/	(Signature of inventor) Tricounti VOLISAVA
	(Signature of inventor) Hiroyuki KOUSAKA
Date:	
	(Signature of inventor) Kazuvuki ICHIMURA

PATENT REEL: 043702 FRAME: 0669

RECORDED: 09/26/2017