

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7278471

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
FEI ZHAO	03/28/2022
KUMIKO TOMA	04/01/2022
TAKEHITO SOGA	04/06/2022
KENICHI SADAKANE	03/29/2022
YASUSHI YOSHIDA	04/08/2022
RECEIVING PARTY DATA	
Name:	KABUSHIKI KAISHA YASKAWA DENKI
Street Address:	2-1, KUROSAKI-SHIROISHI, YAHATANISHI-KU, KITAKYUSHU-SHI
City:	FUKUOKA
State/Country:	JAPAN
Postal Code:	806-0004
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17720098
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
Phone:	2129499022
Email:	csstein@lawabel.com
Correspondent Name:	ABELMAN FRAYNE & SCHWAB
Address Line 1:	666 THIRD AVENUE, 10TH FLOOR
Address Line 4:	NEW YORK, NEW YORK 10017
ATTORNEY DOCKET NUMBER:	YSK-21003US/217605
NAME OF SUBMITTER:	CHARLES S. STEIN
SIGNATURE:	/Charles S. Stein/
DATE SIGNED:	04/13/2022
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 6	

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PATENT

REEL: 059590 FRAME: 0139

DECLARATION AND ASSIGNMENT

Title of Invention: **TORQUE SENSOR, ROBOT, AND TORQUE CALCULATION METHOD**

As a below named inventor, I hereby declare that:

This declaration is directed to:

☐ the attached application (Attorney Docket Number _____), or

☒ United States application or PCT international application number
PCT/JP2019/041722 filed on October 24, 2019.

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 have reviewed and understand the contents of the 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 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, Kabushiki Kaisha Yaskawa Denki, a corporation of Japan having a place of business at 2-1, Kurosaki-Shiroishi, Yahatanishi-ku, Kitakyushu-shi, Fukuoka 806-0004, Japan (herein referred to as "ASSIGNEE"), desires to acquire, and each undersigned inventor desires to grant 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, each undersigned inventor (herein referred to as "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 the United States and in all foreign countries and jurisdictions, including all divisions, continuations, continuations-in-part, reissues, reexaminations, renewals, extensions, counterparts, substitutes, 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 Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the INVENTION, to 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 each undersigned inventor agrees to execute any and all documents 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 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 Inventor: **Fei ZHAO**

Signature: 赵飞 Date: March 28, 2022

Legal Name of Inventor: **Kumiko TOMA**

Signature: _____ Date: _____

Legal Name of Inventor: **Takehito SOGA**

Signature: _____ Date: _____

Legal Name of Inventor: **Kenichi SADAKANE**

Signature: _____ Date: _____

Legal Name of Inventor: **Yasushi YOSHIDA**

Signature: _____ Date: _____

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 each undersigned inventor agrees to execute any and all documents 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.

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Legal Name of Inventor: **Fei ZHAO**

Signature: _____ Date: _____

Legal Name of Inventor: **Kumiko TOMA**

Signature: 藤間 久美子 Date: 4/1/2022

Legal Name of Inventor: **Takehito SOGA**

Signature: _____ Date: _____

Legal Name of Inventor: **Kenichi SADAKANE**

Signature: _____ Date: _____

Legal Name of Inventor: **Yasushi YOSHIDA**

Signature: _____ Date: _____

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Legal Name of Inventor: **Fei ZHAO**

Signature: _____ Date: _____

Legal Name of Inventor: **Kumiko TOMA**

Signature: _____ Date: _____

Legal Name of Inventor: **Takehito SOGA**

Signature: 曾我 健仁 Date: 4/6/2022

Legal Name of Inventor: **Kenichi SADAKANE**

Signature: _____ Date: _____

Legal Name of Inventor: **Yasushi YOSHIDA**

Signature: _____ Date: _____

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Legal Name of Inventor: **Fei ZHAO**

Signature: _____ Date: _____

Legal Name of Inventor: **Kumiko TOMA**

Signature: _____ Date: _____

Legal Name of Inventor: **Takehito SOGA**

Signature: _____ Date: _____

Legal Name of Inventor: **Kenichi SADAKANE**

Signature: 貞包健一 Date: 3/29/2022

Legal Name of Inventor: **Yasushi YOSHIDA**

Signature: _____ Date: _____

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Legal Name of Inventor: **Fei ZHAO**

Signature: _____ Date: _____

Legal Name of Inventor: **Kumiko TOMA**

Signature: _____ Date: _____

Legal Name of Inventor: **Takehito SOGA**

Signature: _____ Date: _____

Legal Name of Inventor: **Kenichi SADAKANE**

Signature: _____ Date: _____

Legal Name of Inventor: **Yasushi YOSHIDA**

Signature: 吉田 康 Date: 4/8/2022