505486927 05/21/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

NIEW ACCIONMENT

EPAS ID: PAT5533731

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOSHIMASA ENDO	05/06/2019
KENJI HIDAKA	05/06/2019
DAISUKE KAWABATA	04/26/2019

RECEIVING PARTY DATA

Name:	THK CO., LTD.	
Street Address:	2-12-10 SHIBAURA, MINATO-KU	
City:	TOKYO	
State/Country:	JAPAN	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29691967

CORRESPONDENCE DATA

Fax Number: (571)395-8753

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: 7038273800

Email: patentmail@whda.com

Correspondent Name: WESTERMAN HATTORI DANIELS & ADRIAN LLP

Address Line 1: 8500 LEESBURG PIKE, SUITE 7500

Address Line 4: TYSONS, VIRGINIA 22182

ATTORNEY DOCKET NUMBER:	D190026US00
NAME OF SUBMITTER:	STEPHEN B. PARKER
SIGNATURE:	/Stephen B. Parker Reg. 36631 (e16)/
DATE SIGNED: 05/21/2019	
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 6

source=D190026US00_Combined_Declaration_and_Assignment#page1.tif source=D190026US00_Combined_Declaration_and_Assignment#page2.tif source=D190026US00_Combined_Declaration_and_Assignment#page3.tif source=D190026US00_Combined_Declaration_and_Assignment#page4.tif

PATENT 505486927 REEL: 049244 FRAME: 0734

source=D190026US00_Combined_Declaration_and_Assignment#page5.tif source=D190026US00_Combined_Declaration_and_Assignment#page6.tif

As a below named inventor, I hereby declare that:

Combined Declaration and Assignment for Utility and Design Patent Applications

DECLARATION

I believe I am the original inventor	or an original joint inventor	r of the subject matter wh	ich is claimed and for	which a pater
is sought on the invention entitled				

Insert Title:	Robot Arm Apparatus	
the application of wh	hich is attached hereto unless the following is checked	
☐ was filed on International Applica	as United States Application Number and was filed on ation Number and was amended on (if applicable).	as PCT
The above-identified	d application was made or authorized to be made by me.	
	ge that any willful false statement made in this declaration is punishable under sect at of not more than 5 years, or both.	ion 1001 of title 18 by
	ASSIGNMENT	
	VALUABLE CONSIDERATION, the adequacy and receipt of which is hereby $\epsilon_{tr}(s)$ (hereinafter ASSIGNOR) by	icknowledged by the
Eneart Accionacío)	THK CO LTD	

Insert Assignee(s) Name/Address:

THK CO., LTD. 2-12-10 Shibaura, Minato-ku, Tokyo, Japan

(hereinafter ASSIGNEE), the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the above-identified application (e.g., provisional or non-provisional) and all Letters Patent of the United States to be obtained therefore on said application or any continuation, divisional, substitute, reissue, reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue, reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

The ASSIGNOR sells, assigns and transfers to said ASSIGNEE the entire and exclusive right, title and interest to the application(s) and the invention(s) disclosed therein for the United States of America and all countries foreign to the United States and do hereby authorize said ASSIGNEE to apply for patents therefore in its own name in countries where such procedure is proper and to claim the priority right under the International Convention and agrees to execute all papers

ĭ

Decket No.: P190155US00

Westerman, Hattori, Daniels & Adrian, LLP

necessary in connection with applications for such patents and any continuation, divisional, substitute, reissue or reexamination, supplemental examination, lines partes review, post grant review, or other procedures thereof and also execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

Hereby executed by the undersigned on the date opposite the undersigned name:

Legal Name of inventor ⇒	Yoshimasa ENDO	Date:	May	6,	2019	
inventor's Signature ⇔	Joshimasa	Enel	, 27	a kalandara kara kara kara kara kara kara kara	***********	

Combined Declaration and Assignment for Utility and Design Patent Applications

DECLARATION

As a below named in	iventor, I hereby declare that:
I believe I am the ori is sought on the inver	iginal inventor or an original joint inventor of the subject matter which is claimed and for which a pater ation entitled
Insert Title:	Robot Arm Apparatus
the application of wh	nich is attached hereto unless the following is checked
was filed on International Applica	as United States Application Number and was filed on as PC ation Number and was amended on (if applicable).
The above-identified	application was made or authorized to be made by me.
	te that any willful false statement made in this declaration is punishable under section 1001 of title 18 b t of not more than 5 years, or both.
	ASSIGNMENT
	VALUABLE CONSIDERATION, the adequacy and receipt of which is hereby acknowledged by the r(s) (hereinafter ASSIGNOR) by
Insert Assignee(s)	THK CO., LTD.
Name/Address:	2-12-10 Shibaura, Minato-ku, Tokyo, Japan

(hereinafter ASSIGNEE), the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the above-identified application (e.g., provisional or non-provisional) and all Letters Patent of the United States to be obtained therefore on said application or any continuation, divisional, substitute, reissue, reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue, reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

The ASSIGNOR sells, assigns and transfers to said ASSIGNEE the entire and exclusive right, title and interest to the application(s) and the invention(s) disclosed therein for the United States of America and all countries foreign to the United States and do hereby authorize said ASSIGNEE to apply for patents therefore in its own name in countries where such procedure is proper and to claim the priority right under the International Convention and agrees to execute all papers

ĭ

Docket No.: P190155USCO

Westerman, Hattori, Daniels & Adrian, LLP

necessary in connection with applications for such patents and any continuation, divisional, substitute, reissue or reexamination, supplemental examination, inter parter review, post grant review, or other procedures thereof and also execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

Hereby executed by the undersigned on the date opposite the undersigned name:

Legal Name of inventor ⇔	Kenji HIDAKA		May	6,	2019	
nventor's Signature 🗢	Kenji	Hidaka				

Name/Address:

Combined Declaration and Assignment for Utility and Design Patent Applications

DECLARATION

As a below named in	eventor, I hereby declare that:	
I believe I am the ori is sought on the inve	iginal inventor or an original joint inventor of the subject matter which is claimed and for which a pa ation entitled	ten
Insert Title:	Robot Arm Apparatus	
the application of wi	sich is attached hereto unless the following is checked	
was filed on International Applica	as United States Application Number and was filed on as Fation Number and was amended on (if applicable).	·CT
The above-identified	application was made or authorized to be made by me.	
	te that any willful false statement made in this declaration is punishable under section 1001 of title 18 tof not more than 5 years, or both.	3 by
	ASSIGNMENT	
	VALUABLE CONSIDERATION, the adequacy and receipt of which is hereby acknowledged by tr(s) (hereinafter ASSIGNOR) by	he
Insert Assignee(s)	THK CO., LTD.	٦

(hereinafter ASSIGNEE), the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the above-identified application (e.g., provisional or non-provisional) and all Letters Patent of the United States to be obtained therefore on said application or any continuation, divisional, substitute, reissue, reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof for the full term or terms for which the same may be granted.

2-12-10 Shibaura, Minato-ku, Tokyo, Japan

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue, reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

The ASSIGNOR sells, assigns and transfers to said ASSIGNEE the entire and exclusive right, title and interest to the application(s) and the invention(s) disclosed therein for the United States of America and all countries foreign to the United States and do hereby authorize said ASSIGNEE to apply for patents therefore in its own name in countries where such procedure is proper and to claim the priority right under the International Convention and agrees to execute all papers

Ĭ

Westerman, Hattori, Daniels & Adrian, LLP

Docket No.: P190155US00

necessary in connection with applications for such patents and any continuation, divisional, substitute, reissue or reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof and also execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

Hereby executed by the undersigned on the date opposite the undersigned name:

Legal Name of inventor ⇔	Daisuke KAWABATA	Date: April 26, 2019
Inventor's Signature	川畑人助	

2