

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5178488

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the INVENTION TITLE previously recorded on Reel 046638 Frame 0638. Assignor(s) hereby confirms the ASSIGNMENT.

CONVEYING PARTY DATA

Name	Execution Date
Yasuhiko HASHIMOTO	06/28/2018
Shuhei KURAOKA	06/21/2018
Shogo HASEGAWA	07/12/2018
Satoru HIBINO	08/03/2018
Hideshi YAMANE	07/18/2018
Hiroyuki MIZUMOTO	07/18/2018
Kenji BANDO	07/20/2018
Daichi HIMEKAWA	07/18/2018
Junichi MATSUOKA	07/12/2018
Tatsuhiro UTO	07/12/2018
Hiroki KOKUSHI	08/06/2018
Souichi TAMADA	07/12/2018
Akihiro HANEDA	07/12/2018
Yukio IWASAKI	07/12/2018

RECEIVING PARTY DATA

Name:	Kawasaki Jukogyo Kabushiki Kaisha
Street Address:	1-1, Higashikawasaki-cho 3-chome, Chuo-ku
City:	Kobe-shi, Hyogo
State/Country:	Japan
Postal Code:	650-8670

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15776644

CORRESPONDENCE DATA

Fax Number: (703)836-2787

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: 703-836-6400

PATENT

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Correspondent Name: JAMES A. OLIFF
Address Line 1: OLIFF PLC
Address Line 2: P.O. BOX 320850
Address Line 4: ALEXANDRIA, VIRGINIA 22320-4850

ATTORNEY DOCKET NUMBER:	181451
NAME OF SUBMITTER:	JASMINE L. BARFIELD
SIGNATURE:	/Jasmine L. Barfield/
DATE SIGNED:	10/09/2018

Total Attachments: 5
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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5098921

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Yasuhiko HASHIMOTO	06/28/2018
Shuhei KURAOKA	06/21/2018
Shogo HASEGAWA	07/12/2018
Satoru HIBINO	08/03/2018
Hideshi YAMANE	07/18/2018
Hiroyuki MIZUMOTO	07/18/2018
Kenji BANDO	07/20/2018
Daichi HIMEKAWA	07/18/2018
Junichi MATSUOKA	07/12/2018
Tatsuhiko UTO	07/12/2018
Hiroki KOKUSHI	08/06/2018
Souichi TAMADA	07/12/2018
Akihiro HANEDA	07/12/2018
Yukio IWASAKI	07/12/2018
RECEIVING PARTY DATA	
Name:	Kawasaki Jukogyo Kabushiki Kaisha
Street Address:	1-1, Higashikawasaki-cho 3-chome, Chuo-ku
City:	Kobe-shi, Hyogo
State/Country:	Japan
Postal Code:	650-8670
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15776644
CORRESPONDENCE DATA	
Fax Number:	(703)836-2787
<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:	703-836-6400
Email:	email@oliff.com

ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e))
For Application with Filing Date on or after September 16, 2012

ASSIGNMENT

(1-14)	Insert	(1)	<u>Yoshihiko HASHIMOTO</u>	(2)	<u>Shinpei KURAKA</u>
	Legal Name(s) of Inventor(s)	(3)	<u>Shogo HASEGAWA</u>	(4)	<u>Satoru HIBINO</u>
		(5)	<u>Hidashi YAMANE</u>	(6)	<u>Hiroyuki MIZUMOTO</u>
		(7)	<u>Kazji BANDO</u>	(8)	<u>Datchi HIMEKAWA</u>
		(9)	<u>Junichi MATSUOKA</u>	(10)	<u>Tetsuhiro UTO</u>
		(11)	<u>Hiroki KOKUSHI</u>	(12)	<u>Souichi TAMADA</u>
		(13)	<u>Akihiro HANEDA</u>	(14)	<u>Yukio IWASAKI</u>

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(15)	Insert Name of Assignee	(15)	<u>KAWASAKI JUKOGYO KABUSHIKI KAISHA</u>
(16)	Insert Address of Assignee	(16)	<u>1-1, Higashikawasaki-cho 3-chome, Chuo-ku, Kobe-shi, Hyogo 650-8670, JAPAN</u>

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(17)	Insert Identification such as Title, Case Number, or Foreign Application Number	(17)	<u>ROBOT SYSTEM AND CONTROL METHOD OF ROBOT SYSTEM</u>
		(Attorney Docket No. <u>181451</u>)	Filed on even date herewith of us

(18)	Alternative Identification for filed applications	(18)	<u>U.S. Application Number</u> <u>filed</u>
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- 1) Each undersigned agrees to execute all papers necessary in connection with any application and/or patent for the invention and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.
- 2) Each undersigned agrees to execute all papers necessary in connection with any interference or post-grant proceeding which may be declared concerning any application or patent for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or post-grant proceeding.
- 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.
- 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all patents resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the firm of OLIFF PLC the power to insert on this assignment any further identification that 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.

(19) Declaration

As an above named inventor, I hereby declare that:

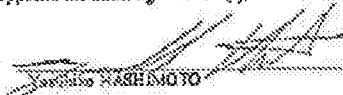
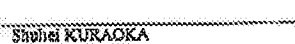
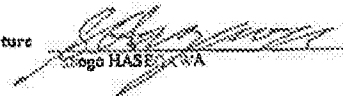



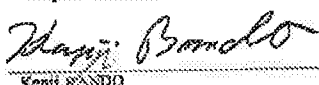
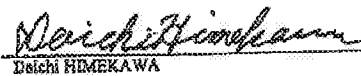
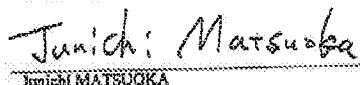
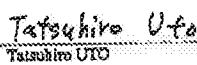




I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.

The application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

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.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>July 28, 2018</u>	Inventor Signature	<u></u> Yukihiro KASHIMOTO	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	<u>July 12, 2018</u>	Inventor Signature	<u></u> Shohai KURAOKA	(SEAL)
Date	<u>July 12, 2018</u>	Inventor Signature	<u></u> Shogo HASEGAWA	(SEAL)
Date	<u>Aug. 03, 2018</u>	Inventor Signature	<u></u> Satoru HIBINO	(SEAL)
Date	<u>July 18, 2018</u>	Inventor Signature	<u></u> Hideshi YAMANE	(SEAL)
Date	<u>July 18, 2018</u>	Inventor Signature	<u></u> Hiroyuki MIZUMOTO	(SEAL)
Date	<u>July 20, 2018</u>	Inventor Signature	<u></u> Kenji BANNO	(SEAL)
Date	<u>July 18, 2018</u>	Inventor Signature	<u></u> Daichi HIMEKAWA	(SEAL)
Date	<u>July, 12, 2018</u>	Inventor Signature	<u></u> Junichi MATSUOKA	(SEAL)
Date	<u>July 12, 2018</u>	Inventor Signature	<u></u> Tatsuhiro UTO	(SEAL)
Date	<u>August 06, 2018</u>	Inventor Signature	<u></u> Hiroki KOKUSHI	(SEAL)
Date	<u>July 12, 2018</u>	Inventor Signature	<u></u> Souichi TAMADA	(SEAL)
Date	<u>July, 12, 2018</u>	Inventor Signature	<u></u> Akhiro HANEDA	(SEAL)
Date	<u>July 12, 2018</u>	Inventor Signature	<u></u> Yukio IWASAKI	(SEAL)

ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e))
For Application with Filing Date on or after September 16, 2012

ASSIGNMENT

(1-14)	Insert Legal Name(s) of Inventor(s)	(1) Yasuhiro HASHIMOTO ----- (2) Shogo HABEGAWA ----- (3) Hidashi YAMANE ----- (4) Kenji BANDO ----- (5) Junichi MATSUOKA ----- (6) Hiroyuki MIZUMOTO ----- (7) Eisichi HIMEKAWA ----- (8) Tetsuhiro UTO ----- (9) Souichi TAMADA ----- (10) Yukiyo IWASAKI -----	(11) Shuhei KURAKKA ----- (12) Satoru HIBINO ----- (13) Hiroyuki MIZUMOTO ----- (14) Eisichi HIMEKAWA ----- (15) Tetsuhiro UTO ----- (16) Souichi TAMADA ----- (17) Yukiyo IWASAKI -----
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(15) Insert Name of Assignee
(16) Insert Address of Assignee

(15) KAWASAKI JUKOGYO KABUSHIKI KAISHA

(16) 1-1, Higashikawasaki-cho 3-chome, Chuoh-ku, Kobe-shi, Hyogo 650-8670, JAPAN

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, substitute and reissue application(s); and all Letters Patent, extensions, renewals and recommendation certificates that may be granted on the invention known as

(17) Insert Identification such as Title, Case Number, or Foreign Application Number

(17) ROBOT SYSTEM AND CONTROL METHOD OF ROBOT SYSTEM

(Attorney Docket No. 181351), filed on even date herewith or as

(18) Alternative Identification for filed applications

(18) U.S. Application Number _____
filed _____

- 1) Each undersigned agrees to execute all papers necessary in connection with any application and/or patent for the invention and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.
- 2) Each undersigned agrees to execute all papers necessary in connection with any interference or post-grant proceeding which may be declared concerning any application or patent for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or post-grant proceeding.
- 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or recommendation a grant of a valid United States patent to the Assignee.
- 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all patents resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the firm of OLIFF PLC the power to insert on this assignment any further identification that 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.

(19) Declaration

As an above named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.

The application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

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.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	_____	Inventor Signature	_____ (SEAL)
			Yasuhiko HASHIMOTO
Date	June 21, 2018	Inventor Signature	_____ (SEAL)
			Shuhei Kuroaka Shuhei KUROAKA
Date	_____	Inventor Signature	_____ (SEAL)
			Singo HASEGAWA
Date	_____	Inventor Signature	_____ (SEAL)
			Satoru HISANO
Date	_____	Inventor Signature	_____ (SEAL)
			Hidetoshi YAMANE
Date	_____	Inventor Signature	_____ (SEAL)
			Shinya MIZUMOTO
Date	_____	Inventor Signature	_____ (SEAL)
			Kazji BANDO
Date	_____	Inventor Signature	_____ (SEAL)
			Daisuke HIMEKAWA
Date	_____	Inventor Signature	_____ (SEAL)
			Junshei MATSUOKA
Date	_____	Inventor Signature	_____ (SEAL)
			Tatsuhiko ITO
Date	_____	Inventor Signature	_____ (SEAL)
			Hiroaki KOKUSHI
Date	_____	Inventor Signature	_____ (SEAL)
			Souichi TAMADA
Date	_____	Inventor Signature	_____ (SEAL)
			Asaoro HANEDA
Date	_____	Inventor Signature	_____ (SEAL)
			Yuko IWASAKI