### 505168045 10/31/2018 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5214813

SUBMISSION TYPE:		NEW ASSIGNMENT	
ATURE OF CONVEYAN	ICE:	ASSIGNMENT	
CONVEYING PARTY DA	<b>ATA</b>		
		Name	Execution Date
TAKUYA OKAHARA			09/10/2018
KOJI SHIRATSUCHI			09/10/2018
RECEIVING PARTY DA	TA		
Name:	MITSUBISHI ELECTRIC CORPORATION		
Street Address:	7-3, Marunouchi 2-chome, Chiyoda-ku		
City:	Tokyo		
State/Country:	Japan		
Postal Code:	100-8310		
PROPERTY NUMBERS Property Type	Total: 1	Number	
Application Number:	16	097858	
CORRESPONDENCE D Fax Number:	(70	)3)413-2220	uccessful it will be sent
Fax Number: <i>Correspondence will be</i>	(70 e sent to th	03)413-2220 <b>ne e-mail address first; if that is uns</b> t f that is unsuccessful, it will be sent	
Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i>	(70 e sent to th provided; i (70	ne e-mail address first; if that is unsu f that is unsuccessful, it will be sent 03) 413-3000	
Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email:	(70 e sent to th provided; in (70 ttra	ne e-mail address first; if that is unsu f that is unsuccessful, it will be sent 03) 413-3000 aub@oblon.com	
Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name:	(70 <b>e sent to th</b> p <b>rovided; i</b> (70 ttra OE	ne e-mail address first; if that is unsu f that is unsuccessful, it will be sent 03) 413-3000 aub@oblon.com BLON, ET AL.	
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NAME OF SUBMITTER:THOMAS TRAUBSIGNATURE:/thomas traub/DATE SIGNED:10/31/2018Total Attachments: 2

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## DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of ROBOT CONTROL DEVICE Invention
As the below named inventor, I hereby declare that:
This declaration 🛄 The attached application, or
is directed to: I United States application or PCT international application number PCT/JP2017/017012
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.
WHEREAS, Mitsubishi Electric Corporation (hereinafter referred to as "ASSIGNEE") having places of business at: <u>7-3</u> , <u>Marunouchi 2-chome</u> , <u>Chiyoda-ku</u> , <u>Tokyo 100-8310 Japan</u> , 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;
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, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor 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 hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignce of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, 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 had this Assignment and sale not been made.
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me 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 Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, 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.
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
Inventor: <u>Takuya OKAHARA</u> Date: <u>September 10, 2018</u>
Signature: 四原 单次

#### OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P., ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

PATENT REEL: 047367 FRAME: 0033

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of ROBOT CONTROL DEVICE				
Invention				
As the below named inventor, I hereby declare that:				
This declaration The attached application, or				
is directed to: I United States application or PCT international application number PCT/JP2017/017012 filed on April 28, 2017				
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.				
WHEREAS, Mitsubishi Electric Corporation (hereinafter referred to as "ASSIGNEE") having places of business at: <u>7-3</u> , <u>Marunouchi 2-chome</u> , <u>Chiyoda-ku</u> , <u>Tokyo 100-8310 Japan</u> , 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;				
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, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treatles and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions, substitutions and renewals thereof.				
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, 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 had this Assignment and sale not been made.				
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me 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 Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, 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.				
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				
Inventor: Roji SHIRATSUCHI Date: September 10, 2018				
Signature:				

#### OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

**RECORDED: 10/31/2018**