### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4000158

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
TOSHIHIRO TSUDA	04/10/2016
MITSUHIRO KAWAMURA	05/11/2016
TADASHI FUKAMI	11/26/2015
KAZUO SHIMA	11/27/2015

#### **RECEIVING PARTY DATA**

Name:	TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYSTEMS CORPORATION
Street Address:	3-1-1, KYOBASHI
City:	CHUO-KU, TOKYO
State/Country:	JAPAN
Postal Code:	104-0031

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

Property Type	Number
Application Number:	14768561

#### **CORRESPONDENCE DATA**

**Fax Number:** (703)413-2220

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) 413-3000 mvukovic@oblon.com

Correspondent Name: OBLON, ET AL.

Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	458184US20PCT
NAME OF SUBMITTER:	MARA VUKOVIC
SIGNATURE:	/Mara Vukovic/
DATE SIGNED:	08/10/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 4** 

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PATENT REEL: 039390 FRAME: 0577

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Invention	AND SYNCHRONOUS ROTATING MACHINE	
As the below name	d inventor, I hereby declare that:	
This declaration [	The attached application, or	
is directed to:	United States application or PCT international application number 14/768,561 filed on August 18, 2015	
The above-identifie	d application was made or authorized to be made by me.	
I believe that I am the	he original inventor or an original joint inventor of a claimed invention in the application.	
(hereinafter referred Japan, is desirous of	SHIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYSTEMS CORPORATION it to as "ASSIGNEE") having places of business at: 3-1-1, Kyobashi, Chuo-ku, Tokyo 104-0031 of acquiring the entire right, title and interest in and to said invention and in and to any Letters granted therefore in the United States and its territorial possessions and in any and all foreign	
acknowledged, and said ASSIGNEE, th and in all foreign co other relevant International interest in and to an	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto be full and exclusive right to the said invention in the United States and its territorial possessions countries (including the right to claim priority under the terms of the International Convention and mational Treaties and Arrangements from the aforesaid application) and the entire right, title and may and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, newals thereof.	
any and all foreign assignee of my entir (his) successors and	te and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the re right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its I assigns, to the full end of the term for which said Letters Patent may be granted, as fully and 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.		
	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 nent of not more than five (5) years, or both.	
LEGAL NAME OF	INVENTOR	
Inventor: Toshihiro	o TSUDA Date: April 10, 20/6	
Signature: Tack	hibro Tend	

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

Title of Invention	FIELD CONTROL DEVICE, METHOD OF FIELD CONTROL, AND SYNCHRONOUS ROTATING MACHINE
As the below named	inventor, I hereby declare that:
This declaration [	The attached application, or
is directed to:	United States application or PCT international application number 14/768,561 filed on August 18, 2015
The above-identified	d application was made or authorized to be made by me.
I believe that I am th	ne original inventor or an original joint inventor of a claimed invention in the application.
(hereinafter referred Japan, is desirous of	HIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYSTEMS CORPORATION to as "ASSIGNEE") having places of business at: 3-1-1, Kyobashi, Chuo-ku, Tokyo 104-0031 of acquiring the entire right, title and interest in and to said invention and in and to any Letters granted therefore in the United States and its territorial possessions and in any and all foreign
acknowledged, and said ASSIGNEE, the and in all foreign co other relevant International interest in and to an	ORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto e full and exclusive right to the said invention in the United States and its territorial possessions untries (including the right to claim priority under the terms of the International Convention and actional Treaties and Arrangements from the aforesaid application) and the entire right, title and any and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, ewals thereof.
any and all foreign assignee of my entir (his) successors and	e and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the e right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its assigns, to the full end of the term for which said Letters Patent may be granted, as fully and would have been held by me had this Assignment and sale not been made.
respecting said invector continuation, substituted all of said Letters Prossible to aid said	that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me ention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, ate, renewal and reissue applications, execute all necessary assignment papers to cause any and atent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said ed States and its territorial possessions and in any and all foreign countries.
	edge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ent of not more than five (5) years, or both.
LEGAL NAME OF	INVENTOR
Inventor: Mitsuhiro	KAWAMURA Date: May 11, 2016
Signature: Mi	toute Lamanura

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

Title of Invention       FIELD CONTROL DEVICE, METHOD OF FIELD CONTROL, AND SYNCHRONOUS ROTATING MACHINE		
As the below named inventor, I hereby declare that:		
This declaration  The attached application, or		
is directed to: United States application or PCT international application number 14/768,561 filed on August 18, 2015		
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, TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYSTEMS CORPORATION (hereinafter referred to as "ASSIGNEE") having places of business at: 3-1-1, Kyobashi, Chuo-ku, Tokyo 104-0031 <u>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 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: Tadashi FUKAMI Date: November 26, 2015		
Signature: Todashi Tubami		

 ${\bf OBLON, McCLELLAND, MAIER~\&~NEUSTADT, L.L.P.}$ 

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Title of Invention	FIELD CONTROL DEVICE, METHOL	
	AND SYNCHRONOUS ROTATING M	IACHINE
As the below name	d inventor, I hereby declare that:	
This declaration	The attached application, or	
is directed to:	United States application or PCT internationa filed on August 18, 2015	I application number <u>14/768,561</u> .
The above-identifie	ed application was made or authorized to be made	le by me.
I believe that I am t	the original inventor or an original joint inventor	r of a claimed invention in the application.
(hereinafter referred Japan, is desirous	of acquiring the entire right, title and interest i	AL SYSTEMS CORPORATION ss at: 3-1-1, Kyobashi, Chuo-ku, Tokyo 104-0031 in and to said invention and in and to any Letters territorial possessions and in any and all foreign
acknowledged, and said ASSIGNEE, the and in all foreign co- other relevant Inter- interest in and to a	for other good and valuable consideration, I, the full and exclusive right to the said invention ountries (including the right to claim priority unnational Treaties and Arrangements from the along and all Letters Patent which may be granted any and all foreign countries and in and to	DOLLARS (\$5.00), the receipt whereof is hereby by these presents do sell, assign and transfer unto in the United States and its territorial possessions ander the terms of the International Convention and foresaid application) and the entire right, title and ed therefor in the United States and its territorial or any and all divisions, reissues, continuations,
any and all foreign assignee of my enti (his) successors and	countries to issue any and all of said Letters ire right, title and interest in and to the same, for	e United States and its territorial possessions and Patent, when granted, to said ASSIGNEE as the or the sole use and behoof of said ASSIGNEE, its a said Letters Patent may be granted, as fully and ent 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.		
	ledge that any willful false statement made in the ment of not more than five (5) years, or both.	nis declaration is punishable under 18 U.S.C. 1001
LEGAL NAME OF INVENTOR		
Inventor: Kazuo S	SHIMA	Date: <u>November 27, 2015</u>
Signature: 7	Cozur Shima	<del></del>

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 039390 FRAME: 0582

**RECORDED: 08/10/2016**