### 505201624 11/21/2018

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5248392

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MASAKI HIRANO	10/05/2018
NOBORU KAWAGUCHI	10/15/2018
JUNJI TAKAKI	10/15/2018
YUTAKA EZAKI	10/05/2018
MAKOTO ENDO	10/05/2018

#### **RECEIVING PARTY DATA**

Name:	MITSUBISHI ELECTRIC CORPORATION
Street Address:	7-3, MARUNOUCHI 2-CHOME
City:	CHIYODA-KU, TOKYO
State/Country:	JAPAN
Postal Code:	100-8310

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

Property Type	Number
Application Number:	16148328

#### **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

**Email:** dgebremichael@oblon.com

Correspondent Name: OBLON, ET AL.

Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	515600US
NAME OF SUBMITTER:	DEJEN GEBREMICHAEL
SIGNATURE:	/Dejen Gebremichael/
DATE SIGNED:	11/21/2018

**Total Attachments: 5** 

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PATENT REEL: 047562 FRAME: 0766

505201624



Title of	PRELOAD GUIDE SYSTEM AND ROTATION STRUCTURE
Invention	
As the below n	amed inventor, I hereby declare that:
This declaratio	The attached application, or
is directed to:	☐ United States application or PCT international application number 16/148,328 filed on October 1, 2018
The above-ider	tified 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.
(hereinafter ret TOKYO 100-8	Mitsubishi Electric Corporation  erred to as "ASSIGNEE") having places of business at: 7-3, Marunouchi 2-chome. Chivoda-ku, 310 JAPAN, is desirous of acquiring the entire right, title and interest in and to said invention and in ers Patent that may be granted therefore in the United States and its territorial possessions and in any countries;
acknowledged, said ASSIGNE and in all foreigother relevant l interest in and possessions an	REFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto E, the full and exclusive right to the said invention in the United States and its territorial possessions go countries (including the right to claim priority under the terms of the International Convention and international Treaties and Arrangements from the aforesaid application) and the entire right, title and to any and all Letters Patent which may be granted therefor in the United States and its territorial d in any and all foreign countries and in and to any and all divisions, reissues, continuations, indirectly described 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.	
	nowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 isonment of not more than five (5) years, or both.
LEGAL NAMI	OF INVENTOR
Inventor: Ma	saki HIRANO Date: October 5, 2018
Signature: /	Tasak: HIRANO

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

ALEXANDRIA, VIRGINIA 22314

PRELOAD GUIDE SYSTEM AND ROTATION STRUCTURE

Title of

invention	
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any and all foreign assignee of my enti (his) successors and	ize and request the Patent Office Officials in the United States and its territorial possessions and a countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the ire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its d assigns, to the full end of the term for which said Letters Patent may be granted, as fully and a would have been held by me had this Assignment and sale not been made.
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	dedge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.
LEGAL NAME OF	INVENTOR
Inventor: Noboru	KAWAGUCHI Date: October 15, 2018
Signature: <u>Nob</u>	oru Kawagushi

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	viedge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.
LEGAL NAME OF	INVENTOR
Inventor: Junji Ta	AKAKI Date: October 15, 2018
Signature: Jus	yi Jakaki

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LEGAL NAME OF	INVENTOR
Inventor: Yutaka	EZAKI Date: October 5, 2018
Signature: Yut	aka EBAKI

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LEGAL NAME O	F INVENTOR
Inventor: Makoto	Date: October 5, 2018
Signature: Ma	hoto Eudo

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1940 DUKE STREET
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PATENT REEL: 047562 FRAME: 0772

**RECORDED: 11/21/2018**