## 504116631 11/30/2016

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4163301

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
HIROYUKI ASANO	10/03/2016
TOMOKAZU OGOMI	10/03/2016
KENJI SHIMOHATA	10/03/2016
SADAAKI YOSHIOKA	10/03/2016

### **RECEIVING PARTY DATA**

Name:	MITSUBISHI ELECTRIC CORPORATION	
Street Address:	7-3, Marunouchi 2-chome, Chiyoda-ku	
City:	Tokyo	
State/Country:	Japan	
Postal Code:	100-8310	

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

Property Type	Number
Application Number:	15315176

#### **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.

using a lax number, if provided, if that is unsuccessful, it will be sent via

Phone: (703) 413-3000
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Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	473083US
NAME OF SUBMITTER:	TERRY EVANS
SIGNATURE:	/Terry Evans/
DATE SIGNED:	11/30/2016

## **Total Attachments: 4**

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PATENT 504116631 REEL: 040468 FRAME: 0627

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Title of Invention	MAGNETIC SENSOR DEVICE
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 PCT/JP2015/066574 filed on June 9, 2015 .
The above-identified	application was made or authorized to be made by me.
I believe that I am th	e original inventor or an original joint inventor of a claimed invention in the application.
(hereinafter referred TOKYO 100-8310 J	to as "ASSIGNEE") having places of business at: <u>7-3. Marunouchi 2-chome. Chivoda-ku</u> , <u>IAPAN</u> , is desirous of acquiring the entire right, title and interest in and to said invention and in attent that may be granted therefore in the United States and its territorial possessions and in any cries;
acknowledged, and said ASSIGNEE, the and in all foreign co other relevant Intern 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 ational 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, 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, substitt all of said Letters F possible 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, ute, renewal and reissue applications, execute all necessary assignment papers to cause any and retent 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 red 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: Hiroyuki	ASANO Date: October 3, 2016
Signatura: 11ik	auli Asama

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

Title of MAGNETIC SENSOR DEVICE Invention		
As the below named inventor, I hereby declare that:		
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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: 7-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN, 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.		
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LEGAL NAME OF INVENTOR		
Inventor: Tomokazu OGOMI Date: October 3, 2016		
Signature: Tamakazu Daami		

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
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LEGAL NAME OF INVENTOR	
Inventor: Kenji SHIMOHATA Date: October 3, 2016	
Signature: Kanji Shinohata	

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

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IRIV CHIRUR
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I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
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LEGAL NAME OF INVENTOR
Inventor: Sadaaki YOSHIOKA Date: October 3, 20/6
Signature: Sadaaki Yoshioka

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

1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

**PATENT REEL: 040468 FRAME: 0632** 

**RECORDED: 11/30/2016**