505732776 10/21/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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EPAS ID: PAT5779589

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAKAYUKI NOZAKI	09/24/2019
SHINJI YUASA	09/24/2019
RACHWAL ANNA KOZIOL	09/19/2019

RECEIVING PARTY DATA

Name:	NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY
Street Address:	3-1, KASUMIGASEKI 1-CHOME
City:	CHIYODA KU, TOKYO
State/Country:	JAPAN

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16498936

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: wsmith@oblon.com
Correspondent Name: OBLON, ET AL.
Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	525756US
NAME OF SUBMITTER:	WILLIAM SMITH
SIGNATURE:	/William Smith/
DATE SIGNED:	10/21/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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PATENT 505732776 REEL: 050779 FRAME: 0054

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 MAGNETIC ELEMENT, MAGNETIC MEMORY DEVICE, AND MAGNET SENSOR	'IC
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	_
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, National Institute of Advanced Industrial Science and Technology (hereinafter referred to as "ASSIGNEE") having places of business at: 3-1, Kasumigaseki 1-chome, Chku, Tokyo, Japan, is desirous of acquiring the entire right, title and interest in and to said invention and in any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any a foreign countries;	and to
NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfersaid ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial posses and in all foreign countries (including the right to claim priority under the terms of the International Convention other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, tit interest in and to any and all Letters Patent which may be granted therefor in the United States and its tempossessions and in any and all foreign countries and in and to any and all divisions, reissues, continuous substitutions and renewals thereof.	r unto ssions on and le and ritorial
I hereby authorize and request the Patent Office Officials in the United States and its territorial possession any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNI (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as ful entirely as the same would have been held by me had this Assignment and sale not been made.	as the EE, its
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 by fine or imprisonment of not more than five (5) years, or both.	. 1001
LEGAL NAME OF INVENTOR Ser. 24, 201	9
Inventor: Takayuki NOZAKI Date:	
Signature: (? Mynk)	

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

PATENT REEL: 050779 FRAME: 0055

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

Invention	SENSOR
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 filed on
The above-identifie	d application was made or authorized to be made by me.
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.
(hereinafter referre ku, Tokyo, Japan	ional Institute of Advanced Industrial Science and Technology d to as "ASSIGNEE") having places of business at: 3-1, Kasumigaseki 1-chome, Chiyoda, , is desirous of acquiring the entire right, title and interest in and to said invention and in and to hat may be granted therefore in the United States and its territorial possessions and in any and all
acknowledged, and said ASSIGNEE, the and in all foreign contact the other relevant Inter- interest in and to a	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 ne 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 national Treaties and Arrangements from the aforesaid application) and the entire right, title and my 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 enti (his) successors and	ze 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 d 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: Shinji	MASA Date: 5ep-24, 2019
Signature: Shimir Yyman	

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

PATENT REEL: 050779 FRAME: 0056

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 Invention	MAGNETIC ELEMENT, MAGNETIC MEMORY DEVICE, AND MAGNETIC SENSOR
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
The above-identifie	d application was made or authorized to be made by me.
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.
	onal Institute of Advanced Industrial Science and Technology
ku, Tokyo, Japan	d to as "ASSIGNEE") having places of business at: 3-1. Kasumigaseki 1-chome. Chivoda- is desirous of acquiring the entire right, title and interest in and to said invention and in and to hat may be granted therefore in the United States and its territorial possessions and in any and all
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: Rachwa	
Signature:	mile and the

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

> PATENT **REEL: 050779 FRAME: 0057**

RECORDED: 10/21/2019