### 503857277 06/06/2016

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3903926

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
TOMOHIRO SASA	05/23/2016
NOBUYUKI SATOH	05/23/2016
YUICHI SAKURADA	05/23/2016
KENJI MORITA	05/23/2016
MASAYA KAWARADA	05/23/2016
DAISAKU HORIKAWA	05/23/2016

### **RECEIVING PARTY DATA**

Name:	RICOH COMPANY, LTD.
Street Address:	3-6, NAKAMAGOME 1-CHOME
City:	OHTA-KU, TOKYO
State/Country:	JAPAN
Postal Code:	143-8555

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

Property Type	Number
Application Number:	15174143

### **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:** bbotchway@oblon.com

Correspondent Name: OBLON, ET AL.

Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	472456US28
NAME OF SUBMITTER:	BRANDON BOTCHWAY
SIGNATURE:	/Brandon Botchway/
DATE SIGNED:	06/06/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT REEL: 038890 FRAME: 0784

503857277

# Total Attachments: 6 source=472456USDecAsn#page1.tif source=472456USDecAsn#page2.tif source=472456USDecAsn#page3.tif source=472456USDecAsn#page4.tif source=472456USDecAsn#page5.tif source=472456USDecAsn#page6.tif

Invention IMAGE CAPTURING APPARATUS, IMAGE FORMING APPARATUS,  Invention DISTANCE MEASURING METHOD, AND COMPUTER-READABLE  RECORDING MEDIUM
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, Ricoh Company, Ltd. (hereinafter referred to as "ASSIGNEE") having places of business at: 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo
143-8555 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.
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1901 by fine or imprisonment of not more than five (5) years, or both.
LEGAL NAME OF INVENTOR
Inventor: Tomohiro SASA Date: Many 23, 2016
The state of the s

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Image capturing apparatus, image forming apparatus, Invention DISTANCE MEASURING METHOD, AND COMPUTER-READABLE
RECORDING MEDIUM
As the below named inventor, I hereby declare that:
This declaration M 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.
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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: Nobuyuki SATOH Date: Onast 23, 2016
Signature: Produce de Potal

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Title of Invention	IMAGE CAPTURING APPARATUS, IMAGE FORMING APPARATUS, DISTANCE MEASURING METHOD, AND COMPUTER-READABLE RECORDING MEDIUM
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.
143-8555 Japan , is	oh Company, Ltd.  I to as "ASSIGNEE") having places of business at: 3-6, Nakamagome 1-chome. Ohta-ku, Tokyo desirous of acquiring the entire right, title and interest in and to said invention and in and to any may be granted therefore in the United States and its territorial possessions and in any and all
acknowledged, and said ASSIGNEE, if and in all foreign of 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.
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respecting said invectional continuation, substituted all of said Letters possible to aid said	that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me rention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, tute, renewal and reissue applications, execute all necessary assignment papers to cause any and Patent 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 ited 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: Yuichi S	
Standbook W	Achi Salaura II

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

ALEXANDRIA, VIRGINIA 22314

Title of

Title of IMAGE CAPTURING APPARATUS, IMAGE FORMING APPARATUS, Invention DISTANCE MEASURING METHOD, AND COMPUTER-READABLE.
RECORDING MEDIUM
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.
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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: Kenji MORITA Date: May 23, 2016
Signature: Konii, Maxita

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

	MAGE CAPTURING APPARATUS, IMA DISTANCE MEASURING METHOD, AN	
1	RECORDING MEDIUM	
As the below named	inventor, I hereby declare that:	
This declaration 🛛	The attached application, or	
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The above-identified	application was made or authorized to be made by	y me.
I believe that I am the	e original inventor or an original joint inventor of	a claimed invention in the application.
(hereinafter referred to 143-8555 Japan , is d	Company, Ltd. to as "ASSIGNEE") having places of business at: lesirous of acquiring the entire right, title and inte lay be granted therefore in the United States and	rest in and to said invention and in and to any
acknowledged, and fi said ASSIGNEE, the and in all foreign cou- other relevant Interna- interest in and to any	ORE, in consideration of the sum of FIVE DOL, or other good and valuable consideration, I, by the full and exclusive right to the said invention in the antics (including the right to claim priority under ational Treaties and Arrangements from the aforemy and all Letters Patent which may be granted thany and all foreign countries and in and to an ewals thereof.	nese presents do sell, assign and transfer unto the United States and its territorial possessions the terms of the International Convention and said application) and the entire right, title and nerefor in the United States and its territorial
any and all foreign of assignee of my entire (his) successors and	s and request the Patent Office Officials in the Uncountries to issue any and all of said Letters Pater right, title and interest in and to the same, for the assigns, to the full end of the term for which sai would have been held by me had this Assignment of	ent, when granted, to said ASSIGNEE as the e sole use and behoof of said ASSIGNEE, its d Letters Patent may be granted, as fully and
respecting said inve- continuation, substitu- all of said Letters Prossible to aid said.	nat I will communicate to said ASSIGNEE or its nation, and testify in any legal proceeding, signee, renewal and reissue applications, execute all latent to be issued to said ASSIGNEE, make all ASSIGNEE, its (his) successors and assigns, to said States and its territorial possessions and in any	m all lawful papers, execute all divisional, necessary assignment papers to cause any and rightful oaths, and, generally do everything obtain and enforce proper protection for said
	dge that any willful false statement made in this dent of not more than five (5) years, or both.	fectaration is punishable under 18 U.S.C. 1001
LEGAL NAME OF I	NVENTOR	
Inventor: Masaya k	AWARADA	Date: May 23 2014
Signature Mak	a ua - Kahada ba	

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

Title of IMAGE CAPTURING APPARATUS, IMAGE FORMING APPARATUS, Investion DISTANCE MEASURING METHOD, AND COMPUTER-READABLE RECORDING MEDIUM
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LEGAL NAME OF INVENTOR
Inventor: Daisaku HORIKAWA Date: May 23, 20/6
Signature: Drivata Knibara

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

PATENT REEL: 038890 FRAME: 0791

**RECORDED: 06/06/2016**