#### 504130911 12/09/2016

#### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4177582

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
YOSHIKI YANAGAWA	11/21/2016
AKIHIKO MATSUYAMA	11/24/2016
KAZUKIYO NAGAI	11/24/2016
TOMOYUKI SHIMADA	11/24/2016
SHIGEYUKI HARADA	11/24/2016
AKIYOSHI SABU	11/21/2016
YUUSUKE KOIZUKA	11/24/2016
KOICHIRO OYAMA	11/24/2016
TAKUYA YAMAZAKI	11/24/2016

#### **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:	15373523

#### **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: 480212US

NAME OF SUBMITTER: BRANDON BOTCHWAY

PATENT 504130911 REEL: 040607 FRAME: 0950

SIGNATURE:	/Brandon Botchway/
DATE SIGNED:	12/09/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 9	
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	Invention	INK, RECORDED MATTER, INK CONTAINER, RECORDING DEVICE,
	invention	AND RECORDING METHOD
	As the below named i	nventor, 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-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, Ricol	n Company, Ltd.
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		edge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 and of not more than five (5) years, or both.
	LEGAL NAME OF I	NVENTOR
	Inventor: YOSHI	KIYANAGAWA Date: Morrembar, 21, 2016
	Signature: 1404	liki yaragawa

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Title of	INK, RECORDED MATTER, INK CONTAINER, RECORDING DEVICE,
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LEGAL NAME OF I	NVENTOR
Inventor: AKIHI	KO MATSUYAMA Date: November, 24, 2016
Signature: Of:	hiko Matsunama

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

AND RECORDING METHOD  As the below named inventor, I hereby declare that:  This declaration \( \text{\text{This declaration} \) \( \text{\text{Tokaman member}} \) \( \text{\text{filed on}} \)  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.  (thereinafter referred to as "ASSIGNEE") having places of business at: 3-6, Nakamagome I-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 sun 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 toreign 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 Territorial postessions and and and in 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	Inte Of	INK; RECORDED MATTER, INK CONTAINER, RECORDING DEVICE,	
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,			
Signature: Hazubiyo Nazai	Inventor: <u>KAZU</u>	CIYO NAGAI Date: November 24, 2016	

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

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	and all foreign countr of my entire right, ti successors and assign	les to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee le and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) is, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as been held by me had this Assignment and sale not been made.	
	respecting said invent substitute, renewal an Patent to be issued to ASSIGNEE, its (his)	nat I will communicate to said ASSIGNEE or its (his) representatives any facts known to me on, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, I reissue applications, execute all necessary assignment papers to cause any and all of said Letters is said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said successors and assigns, to obtain and enforce proper protection for said invention in the United all possessions and in any and all foreign countries.	
		dge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 nt of not more than five (5) years, or both.	
	LEGAL NAME OF I	, 1	
		YUKI SHIMADA Date: November 29, 2016	
	Signature: 7	moyuki Shimada	

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Invention	INK, RECORDED MATTER, INK CONTAINER, RECORDING DEVICE,
Inacution	AND RECORDING METHOD
As the below named i	nventor, 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-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, Rico	h Company, Ltd.
143-8555, Japan , is o	o 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 y be granted therefore in the United States and its territorial possessions and in any and all foreign
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	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.
}	NVENTOR  YUKI HARADA  Date: Date: 24,26

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Title of	INK, RECORDED MATTER, INK CONTAINER, RECORDING DEVICE,
Invention	AND RECORDING METHOD
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.
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I hereby acknowl	ial 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 tent of not more than five (5) years, or both.
LEGAL NAME OF	
,	OSHI SABU Date: Movembr, 21, 2016
Signature: Ohiy	whi Labra

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Invention	INK, RECORDED MAITER, INK CONTAINER, RECORDING DEVICE,
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As the below named	inventor, I hereby declare that:
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is directed to:	United States application or PCT international application number
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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.
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	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 I	NVENTOR
,	JKE KOIZUKA Date: November 24,2016
Signature: Yuu	suke Koizuka

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

***************************************	Inte of Invention	INK, RECORDED MATTER, INK CONTAINER, RECORDING DEVICE,	
	macntion	AND RECORDING METHOD	
-	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	
		filed on	
	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 sun 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.		
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	Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to mespecting 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 Letter 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 fine or imprisonment of not more than five (5) years, or both.	
-	LEGAL NAME OF I	NVENTOR	
-	Inventor: <u>KOICH</u>	IRO OYAMA Date: November 24, 2016	
-	Signature: Keio	riso Oyama	

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

	Invention	INK, RECORDED MATTER, INK CONTAINER, RECORDING DEVICE,	
	INACULION	AND RECORDING METHOD	
	As the below named i	s the below named inventor, I hereby declare that:	
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	is directed to:	United States application or PCT international application number	
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	LEGAL NAME OF INVENTOR		
	***************************************	AYAMAZAKI Date: November, 24, 2018	
	Signature: Tah	uya Yomagoki	

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

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 040607 FRAME: 0960

**RECORDED: 12/09/2016**