### 503635298 01/05/2016

### PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
JUNJI NAKAI	09/11/2013
HIROYOSHI MATSUMOTO	09/10/2013
MASAKAZU YOSHIDA	09/13/2013
SOUICHI NAKAZAWA	09/12/2013
TATSURO WATANABE	09/10/2013
HIROYUKI HIRATSUKA	09/10/2013
KOJI NAGAI	09/10/2013

### **RECEIVING PARTY DATA**

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Street Address:	3-6, NAKAMAGOME 1-CHOME, OHTA-KU
City:	TOKYO
State/Country:	JAPAN

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

Property Type	Number
Application Number:	14988394

### **CORRESPONDENCE DATA**

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NAME OF SUBMITTER:	DREW SMITH
SIGNATURE:	/Drew Smith/
DATE SIGNED:	01/05/2016

PATENT 503635298 REEL: 037413 FRAME: 0160

# Total Attachments: 7 source=RCL-0006C1-ASSIGNMENT#page1.tif source=RCL-0006C1-ASSIGNMENT#page2.tif source=RCL-0006C1-ASSIGNMENT#page3.tif source=RCL-0006C1-ASSIGNMENT#page4.tif source=RCL-0006C1-ASSIGNMENT#page5.tif source=RCL-0006C1-ASSIGNMENT#page6.tif source=RCL-0006C1-ASSIGNMENT#page7.tif

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S))

RICOH COMPANY, LIMITED			
3-6, Nakamagome 1-chome, Oh	ta-ku, To	okyo 143-8555 Japan	
(hereinafter, "ASSIGNEE"), the receipt of which is ASSIGNEE the entire and exclusive right, title and (Title of Invention)  PRINTING APPARATUS AND PRINTING APPARATUS A	interest to th	e invention entitled	प्र १८ वर्ष
relating to International Patent Application PCT/JP executed on even date herewith or, if not so execute	/ ed, was:	and/or for which application f	or Letters Patent of the United States was
(a) executed on	<b>.</b>	(Insert date of execution of applic	cation, if not concurrent)
(b) filed on			
Serial No. /		Assignee's attorney is hereby data, when known:	authorized to insert in (b) the specified
The ASSIGNOR agree(s), when requested by say which the ASSIGNEE may deem necessary, desiral including in the preparation and prosecution of said reexamination, or public use proceeding, and in any acts to include but not be limited to executing all passworn testimony, and obtaining and producing evident NUTNESS WHEREOF, the undersigned investigations of the same acts of the same acts.	ole or expedicapplication() litigation or opers, includication.	ont, for securing, maintaining and er s) and the issuance of said Letters Pe other legal proceeding which may ari ng separate assignments and declara	foreing protection for said invention, iten(s), in any interference, reissue, ise or be declared in relation to same, such tions, taking all rightful oaths, providing
Valani Nakai		Junji NAKAI	lastaulas 11 2001
1) Junji Nakai (Signature)	— — Ні	(Type Name) royoshi MATSUMOTO	September 11, 201
(Signature)		(Type Name)	(Date)
3)	* * 1	Masakazu YOSHIDA	
(Signature)		(Type Name)	(Date)
(Signature)	<del>-</del>	Souichi NAKAZAWA (Type Name)	(Date)
		Tatsuro WATANABE	(เวเตร)
(Signature)		(Type Name). Hiroyuki Hiratsuka.	(Date)
5)(Signature)		(Type Name)	(Date)
7)		Koji NAGAI	
(Signature)		(Type Name)	(Date)

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(b) filed on;		Assignee's attorney is hereby data, when known.	authorized to insert in (b) the specified
including any extensions thereof (collectively, hereina The ASSIGNOR agree(s), when requested by said which the ASSIGNEE may deem necessary, desirable including in the preparation and prosecution of said apreexamination, or public use proceeding, and in any litit acts to include but not be limited to executing all papes sworm testimony, and obtaining and producing evidence IN WITNESS WHEREOF, the undersigned inventor	ASSIGNE or expedi plication( gation or rs, includi	Et and without charge to but at the cent, for securing, maintaining and est and the issuance of said Letters Pother legal proceeding which may aring separate assignments and declarations of the proceeding which may are separate assignments and declarations of the proceeding which was a signature of the proceeding which was a signature of the proceeding without the proceeding which was a signature of the proceeding with the	expense of said ASSIGNEE, to do all acts aforcing protection for said invention, atent(s), in any interference, reissue, ise or be declared in relation to same, such ations, taking all rightful oaths, providing
1)		Junji NAKAI	
(Signature) 2) Fliroyorhi Motumoto	Н	(Type Name) Iiroyoshi MATSUMOTO	(Date) September 10, 2013 (Date)
( Signature)		(Type Name)	(Dale)
3)(Signature)		Masakazu YOSHIDA (Type Name)	(Date)
(Signature)		, ,,,	(Date)
4)(Signature)		Souichi NAKAZAWA	(Date)
( Signature)		(Type Name)	(Date)
5)(Signature)		Tatsuro WATANABE (Type Name)	(Date)
( signature)		Hiroyuki HIRATSUKA	Dutes
6)(Signature)		(Type Name)	(Date)
		Koji NAGAI	· •
7)(Signature)		(Type Name)	(Date)

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3-6, Nakamagome 1-chome,	Ohta-ku, Tokyo 143-8555 Japan	
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ASSIGNEE the entire and exclusive right, title (Title of Invention)	th is hereby acknowledged, the undersigned ASSIGNO and interest to the invention entitled PRINTED MATERIAL MANUFACTURIN	
relating to International Patent Application PC: executed on even date herewith or, if not so exe	I/IP and/or for which application for euted, was:	or Letters Patent of the United States was
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(b) filed on	Assignee's attorney is hereby	authorized to insert in (b) the specified
The ASSIGNOR agree(s), when requested which the ASSIGNEE may deem necessary, de including in the preparation and prosecution of reexamination, or public use proceeding, and in acts to include but not be limited to executing a sworn testimony, and obtaining and producing	hereinafter, "said application(s) and Letters Patent(s)", by said ASSIGNEE and without charge to but at the existrable or expedient, for securing, maintaining and en said application(s) and the issuance of said Letters Pa any litigation or other logal proceeding which may arisall papers, including separate assignments and declarate evidence.  Inventor(s) has (have) affixed his/her/their signature(s)	pense of said ASSIGNEE, to do all acts forcing protection for said invention, tent(s), in any interference, reissue, se or be declared in relation to same, such ions, taking all rightful oaths, providing
	Junji NAKAI	
(Signature)	(Type Name) Hiroyoshi MATSUMOTO	(Date)
(Signatyre)	(Type Name)	(Date)
31 Masakazu Yoshida	Masakazu YOSHIDA	September 13,201
(Signature)	(Type Name)	(Date)
4)	Souichi NAKAZAWA	٠.
(Signature)	(Type Name)	(Date)
5)	Tatsuro WATANABE	
(Signature)	<i>(Type Name)</i> Hiroyuki HIRATSUKA	(Date)
6)(Signature)	(Type Name)	(Date)
7)	Koji NAGAI	, ,
(Signature)	(Type Name)	(Date)

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RICOH COMPANY, LIMITED		
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·	and a supply a su	***************************************
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(a) executed on	(Insert date of execution of appli	cation, if not concurrent)
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	Junii NAKAI	•
(Signature)	(Type Name) Hiroyoshi MATSUMOTO	(Date)
(Signature)	(Type Name)	(Date)
3)	Masakazu YOSHIDA	
(Signature)	(Type Name)	(Date)
4) Towichi nakayowo	Souichi NAKAZAWA	Texterlar 12, 2013
(Signature)/	(Type Name)	(Date)
5)(Signáture)	Tatsuro WATANABE (Type Name)	(Date)
( Diginature)	Hiroyuki HIRATSUKA	(Edite)
(Signature)	(Type Name)	(Date)
7)	Koji NAGAI	
(Signature)	(Type Name)	(Date)

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	Junji NAKAI	
(Signature)	(Type Name) Hiroyoshi MATSUMOTO	(Date)
(Signature)	(Type Name)	(Date)
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(Signature)	(Type Name)	(Date)
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(Signature)	(Type Name)	(Date)
5) Jatouro Watanabe	Tatsuro WATANABE	September 10, 2013
(Signature)	<i>(Type Name)</i> Hiroyuki HIRATSUKA	(Date)
(Signature)	(Type Name)	(Date)
7)	Koji NAGAI	
(Signature)	(Type Name)	(Date)

PATENT

**REEL: 037413 FRAME: 0166** 

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1)	Junji NAKAI	
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6) Hiropuki Hiratsuka (Signature)	(Type Name)	September 10, 201
v (organisme)	Ko l NAGAI	, (Date)
7)(Signature)	(Type Name)	(Date)

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RICOH COMPANY, LIMITED

**RECORDED: 01/05/2016** 

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1)(Signature)	<u> </u>	
(Signature)	<i>(Type Name)</i> Hiroyoshi MATSUMOTO	(Date)
2) (Signature)	(Type Name)	Mutal .
	, , , ,	(Date)
3)(Signature)	Masakazu YOSHIDA (Type Name)	(Date)
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4)(Signature)	Souichi NAKAZAWA (Type Name)	(Date)
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5) (Signature)	Tatsuro WATANABE (Type Name)	(Date)
	Hiroyuki HIRATSUKA	(Mue)
6)(Signature)	(Type Name)	(Date)
	Koji NAGAI	• •
7) Loji Nagai (Signature)	(Type Name)	Suptember 10.2013