### 504121413 12/02/2016

### **PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4168083

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MEGUMI KAWAHARA	11/25/2016
YOSHINAGA KATO	12/01/2016
TAKASHI INAOKA	12/01/2016

#### **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:	15368112

#### **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:	480389US	
NAME OF SUBMITTER:	BRANDON BOTCHWAY	
SIGNATURE:	/Brandon Botchway/	
DATE SIGNED:	12/02/2016	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

#### **Total Attachments: 3**

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PATENT 504121413 REEL: 040500 FRAME: 0513

## 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 CONTROL SYSTEM, COMMUNICATION SYSTEM, CONTROL METHOD, AND 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 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 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.				
EGAL NAME OF INVENTOR				
inventor: Megumi KAWAHARA Date: November 25, 2016				
Signature: Megumi Kawahara				

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

PATENT REEL: 040500 FRAME: 0514

## 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 CONTROL SYSTEM, COMMUNICATION SYSTEM, CONTROL METHOD, AND 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. 1001 by fine or imprisonment of not more than five (5) years, or both.				
LEGAL NAME OF INVENTOR				
Inventor: Yoshinaga KATO Date: Dec. 1, 2016				
Signature: Yoshung ga Rat				

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

ALEXANDRIA, VIRGINIA 22314

PATENT REEL: 040500 FRAME: 0515

# 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	AND RECORDING MEDIUM	CATION SYSTEM, CONTROL METHOD,
As the below named inventor, I hereby declare that:		
This declaration 🗵	The attached application, or	
is directed to:	United States application or PCT interna filed on	tional application number
The above-identified	d application was made or authorized to be	e made by me.
I believe that I am th	he original inventor or an original joint inv	ventor of a claimed invention in the application.
143-8555, Japan, is	to as "ASSIGNEE") having places of bus desirous of acquiring the entire right, title	siness at: 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo e and interest in and to said invention and in and to any states and its territorial possessions and in any and all
acknowledged, and said ASSIGNEE, the and in all foreign co- other relevant Interninterest in and to an	for other good and valuable consideration e full and exclusive right to the said inver- puntries (including the right to claim priori- national Treaties and Arrangements from to many and all Letters Patent which may be go any and all foreign countries and in an	VE DOLLARS (\$5.00), the receipt whereof is hereby in, I, by these presents do sell, assign and transfer unto action in the United States and its territorial possessions its under the terms of the International Convention and the aforesaid application) and the entire right, title and granted therefor in the United States and its territorial and to any and all divisions, reissues, continuations,
any and all foreign assignee of my entire (his) successors and	countries to issue any and all of said Let e right, title and interest in and to the sam	in the United States and its territorial possessions and tters Patent, when granted, to said ASSIGNEE as the ne, for the sole use and behoof of said ASSIGNEE, its which said Letters Patent may be granted, as fully and gnment and sale not been made.
respecting said invection, substituation, substituall of said Letters P possible to aid said.	ention, and testify in any legal proceed ute, renewal and reissue applications, exec Patent to be issued to said ASSIGNEE, r	EE or its (his) representatives any facts known to me ding, sign all lawful papers, execute all divisional, cute all necessary assignment papers to cause any and make all rightful oaths, and, generally do everything igns, to obtain and enforce proper protection for said in any and all foreign countries.
by fine or imprisonm	ent of not more than five (5) years, or both	in this declaration is punishable under 18 U.S.C. 1001 h.
LEGAL NAME OF I	INVENTOR	
Inventor: <u>Takashi I</u>		Date: Dec. 1, 2016
Signature: Take	ashi Angoka	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
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PATENT REEL: 040500 FRAME: 0516

**RECORDED: 12/02/2016**