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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
AOI NAKAMURA	02/07/2017

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:	15428290

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ATTORNEY DOCKET NUMBER:	6150-001139-US
NAME OF SUBMITTER:	JOHN A. CASTELLANO, REG. NO. 35,094
SIGNATURE:	/John A. Castellano/
DATE SIGNED:	02/10/2017

Total Attachments: 3

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PATENT 504221822 REEL: 041220 FRAME: 0221

DECLARATION, POWER OF ATTORNEY, AND ASSIGNMENT'

The undersigned acknowledges that this document is being used both as an assignment of the invention and as the declaration (37 CFR 1.63) for a Utility or Design Application entitled:

RECORDING MEDIUM, INFORMATION PROCESSING APPARATUS, AND INFORMATION PROCESSING METHOD

As a below named inventor, I hereby declare that:

This declaration is					
directed to (check one):		The attached application: or			
	, according	United States application or PCT international			
		application number	filed		
		QB			
The above-identified application	∖ was mad∈	or authorized to be made by m	18 ;		
I believe that I am the original i above-identified application.	nventor or	an original joint inventor of a cli	aimed invention in the		
I hereby acknowledge that any is punishable under 18 U.S.C. both.					
I hereby state that I have review including the claims.	ed and und	erstand the contents of the above	e identified application		
Lacknowledge that Lam aware cas defined in 37 CFR § 1.56.	of the duty to	o disclose information which is n	naterial to patentability		
POWER OF ATTORNEY					

1 This form requires the use of an Application Data Sheet.

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I hereby appoint the following attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

John A. Castellano Reg. No. 35,094
Donald J. Daley Reg. No. 34,313
Gary D. Yacura Reg. No. 35,416

and all individuals assigned to Customer No. 94055.

CORRESPONDENCE ADDRESS

I request the Patent and Trademark Office to direct all correspondence and telephone calls relative to this application to Harness, Dickey & Pierce, P.L.C., Customer No. 94055, P.O. Box 8910, Reston, Virginia, 20195, (703) 668-8000.

For good and valuable consideration, the receipt and adequacy whereof I hereby acknowledge, I hereby confirm any prior assignment to Ricoh Company, Ltd., with address at 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo 143-8555, Japan (hereinafter "Assignee"), and to the extent that I have not already done so, agree to assign, and hereby do, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the above-identified application, to the above-identified application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the above-identified application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by me had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights.

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Attorney Docket No.

I hereby covenant and agree to execute all instruments or documents required or requested for

the making and prosecution of any applications of any type for patent, utility model, or other similar

rights, and for copyright, in the United States and in all foreign countries including, but not limited

to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof,

any derivation proceedings relating thereto, and as to letters patent any supplemental

examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter

partes review, or extension thereof, and for litigation regarding, or for the purpose of protecting

title and to the said invention, the United States application for patent, or Letters Patent therefor,

and to testify in support thereof, for the benefit of Assignee without further or other compensation

than that above set forth.

I hereby covenant that I have not made and will not make any assignment, sale, license,

agreement or encumbrance which would conflict with this Declaration and Assignment.

I hereby request the United States Patent and Trademark Office to issue the Letters Patent of the

United States of America to Assignee, and request that any official of any country or countries

foreign to the United States, whose duty it is to issue or grant patents and applications as

aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

I hereby grant the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this

Declaration and Assignment any further identification which may be necessary or desirable in

order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this

document.

Loi Makamura

AOI NAKAMURA

Frebruary 7, 2017

Dated

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