503115161 12/24/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3161769

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------|----------------|
| TAKAYUKI NISHIMURA | 12/19/2014 |
| TETSUYA OFUCHI | 12/19/2014 |
| TOHRU MATSUMOTO | 12/24/2014 |
| YUKIFUMI KOBAYASHI | 12/24/2014 |

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: | 14582261 |

CORRESPONDENCE DATA

Fax Number: (703)668-8200

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.

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Email: dcmailroom@hdp.com

Correspondent Name: HARNESS, DICKEY & PIERCE, P.L.C.

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| ATTORNEY DOCKET NUMBER: | 6150-000862-US | |
|-------------------------|-----------------------------------|--|
| NAME OF SUBMITTER: | DONALD J. DALEY | |
| SIGNATURE: | /Donald J. Daley, Reg No. 34,313/ | |
| DATE SIGNED: | 12/24/2014 | |

Total Attachments: 8

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> PATENT REEL: 034582 FRAME: 0279

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:

SHEET DISCRIMINATOR AND IMAGE FORMING APPARATUS INCORPORATING SAME
As a below named inventor, I hereby declare that:

| This declaration is | | | |
|---|--------------|---------------------------------|-----------------------------|
| directed to (check one): | in Viene | The attached application: or | |
| | | United States application or | PCT international |
| | | application number | filed |
| ٠ | | on | |
| The above-identified application | was made | or authorized to be made by | me. |
| I believe that I am the original in above-identified application. | ventor or | an original joint inventor of a | claimed invention in the |
| I hereby acknowledge that any is punishable under 18 U.S.C. 1 both. | | | |
| I hereby state that I have reviewe including the claims. | d and und | erstand the contents of the ab | ove identified application |
| I acknowledge that I am aware of as defined in 37 CFR § 1.56. | f the duty t | o disclose information which is | s material to patentability |
| | POWE | ROF ATTORNEY | |

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.

Page 1 of 4

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

Attorney Docket No.

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.

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

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Attorney Docket No.

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.

Jakayuki Nishimura
TAKAYUKI NISHIMURA

Jotanya Ofischi TETSUYA OFUCHI December 19, 2014

REEL: 034582 FRAME: 0282

Alterney Docket No.

TOHRU MATSUMOTO

Dated

Yukifumi Wobayashi YUKIFUMI KOBAYASHI

December 24, 2014 Dated

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SHEET DISCRIMINATOR AND IMAGE FORMING APPARATUS INCORPORATING SAME

This declaration is

directed to (check one):

_____ The attached application: or

____ United States application or PCT international application number _____ filed on _____.

The above-identified application was made or authorized to be made by me.

As a below named inventor, I hereby declare that:

I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.

I hereby acknowledge that any willful false statement made in this Declaration and Assignment is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

POWER OF ATTORNEY

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John A. Castellano

Reg. No. 35,094

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

Donald J. Daley Gary D. Yacura Reg. No. 34,313 Reg. No. 35,416

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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,

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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 Hamess, Dickey & Pierce, P.L.C. the power to insert on this

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

this document.

| TAKAYUKI | NISHIM | | |
|----------|--------|---|---|
| Dated | | *************************************** | *************************************** |
| TETSUYA | OFUCHI | | |
| | | | |

John Matsundo TOHRU MATSUMOTO

December 24, 2014

Dated

Dated

REEL: 034582 FRAME: 0286

| YUKIFUMI | KOBAYASHI |
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Dated

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