

Form PTO-1595 (Rev. 03-11)  
OMB No. 0651-0027 (exp. 03/31/2012)

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

<b>RECORDATION FORM COVER SHEET</b> <b>PATENTS ONLY</b>	
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.	
<b>1. Name of conveying party(ies):</b> Norifumi Yamamoto (05/25/2012), Masahiko Sato (05/25/2012), Toshio Yanata (05/25/2012), Masafumi Hashiguchi (05/25/2012), Masataka Akaishi (05/25/2012), and Sohichiroh Naka (05/25/2012) Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>2. Name and address of receiving party(ies)</b> Name: <u>Ricoh Company, Ltd.</u>  Internal Address: _____ Street Address: _____ 3-6, Nakamagome 1-Chome Ohta-ku, Tokyo 143-8555 JAPAN  City: _____ State: _____ Country: _____ Zip: _____ Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>3. Nature of conveyance/Execution Date(s):</b> Execution Date(s): <u>in parentheses after inventor name</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____	<b>4. Application or patent number(s):</b> <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>13/534,369</u>  B. Patent No.(s)  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>5. Name and address to whom correspondence concerning document should be mailed:</b> Name: <u>Donald J. Daley</u> <u>HARNESS, DICKEY &amp; PIERCE, P.L.C.</u>  Internal Address: <u>Atty. Dkt.: 9273-000030/US</u> Street Address: <u>P.O. Box 8910</u>   City: <u>Reston</u> State: <u>VA</u> Zip: <u>20195</u> Phone Number: <u>(703) 668-8000</u> Fax Number: <u>(703) 668-8200</u> Email Address: <u>dcmalroom@hdp.com</u>	<b>6. Total number of applications and patents involved:</b> <span style="border: 1px solid black; padding: 2px 10px;">1</span>  <b>7. Total fee (37 CFR 1.21(h) &amp; 3.41)</b> \$ <u>40.00</u>  <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)
<b>9. Signature:</b> <div style="text-align: center; margin-top: 20px;">                       _____                      Signature                 </div> <div style="text-align: right; margin-top: 10px;"> <u>June 27, 2012</u>                      _____                      Date                 </div> <div style="text-align: center; margin-top: 10px;"> <u>Donald J. Daley - 34,313</u>                      _____                      Name of Person Signing                 </div>	<b>8. Payment Information</b>  Deposit Account Number <u>08-0750</u> Authorized User Name <u>Donald J. Daley</u>  Total number of pages including cover sheet, attachments, and documents: <span style="border: 1px solid black; padding: 2px 10px;">5</span>

CH \$40.00 080750 13534369

DJD/bh

# ASSIGNMENT

Atty. Docket No.

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

**REFLECTIVE PHOTODIODE AND IMAGE FORMING DEVICE INCORPORATING THE SAME**

for which Assignor is about to make or has made United States or International application for patent

- (a)  executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
- (b)  executed on \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_; or
- (c)  filed on \_\_\_\_\_, and assigned Serial No. \_\_\_\_\_ or PCT International Application No. \_\_\_\_\_; and

WHEREAS, RICOH COMPANY, LTD., 3-5, Nakamagome 1-chome, Ohta-ku, Tokyo 143-8555, JAPAN, hereinafter referred to as Assignee, is desirous of acquiring all right, title, and interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor agrees to, and hereby does, 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 invention as described in the aforesaid application and all United States Letters Patent which may be granted therefore, and all divisions, continuations, reissues, reexaminations and extensions thereof, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor 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 or patents resulting therefrom;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent 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, and as to letters patent any reissue, re-examination, 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;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests 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 Inventor's Certificate to Assignee.

The undersigned hereby grant(s) the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this 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.

ASSIGNMENT

Atty. Docket No.

*Norifumi Yamamoto*  
Norifumi YAMAMOTO

Witness

May 25, 2012  
Dated

Witness

Masahiko SATO

Witness

Dated

Witness

Toshio YANATA

Witness

Dated

Witness

Masafumi HASHIGUCHI

Witness

Dated

Witness

Masataka AKAISHI

Witness

Dated

Witness

Soichiroh NAKA

Witness

Dated

Witness

# ASSIGNMENT

Atty. Docket No.

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Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent 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, and as to letters patent any reissue, re-examination, 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;

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ASSIGNMENT

Atty. Docket No.

Norifumi YAMAMOTO

Witness

Dated

Witness

*Masahiko Sato*  
Masahiko SATO

Witness

May 25, 2012  
Dated

Witness

*Toshio Yanata*  
Toshio YANATA

Witness

May 25, 2012  
Dated

Witness

*Masafumi Hashiguchi*  
Masafumi HASHIGUCHI

Witness

May 25, 2012  
Dated

Witness

*Masataka Akaishi*  
Masataka AKAISHI

Witness

May 25, 2012  
Dated

Witness

*Sohichiroh Naka*  
Sohichiroh NAKA

Witness

May 25, 2012  
Dated

Witness