Form PTO-1595 (Rev. 08/05) U.S. DEPARTMENT OF COMMERCE 02-13-2007 OMB No. 0651-0027 (exp. 6/30/2008) United States Patent and Trademark Office 103372237 the U.S. Patent and 7 ments or the new address(es) below. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies) Shigeki Fukunishi Ricoh Company, Ltd. Internal Address: X No Additional name(s) of conveying party(ies) attached? Street Address: 3. Nature of conveyance/Execution Date(s): 3-6, Nakamagome 1-chome Execution Date(s): January 16, 2007 Ohta-ku, Tokyo 143-8555 **JAPAN** x Assignment Merger Change of Name Joint Research Agreement Security Agreement City:\_ Government Interest Assignment Executive Order 9424, Confirmatory License Country: Zip: Additional name(s) & address(es) Other attached? This document is being filed together with a new application. 4. Application or patent number(s): A. Patent Application No.(s) B. Patent No.(s) 11/633,477 Additional numbers attached? 5. Name and address to whom correspondence 6. Total number of applications and concerning document should be mailed: patents involved: Mark J. Thronson **DICKSTEIN SHAPIRO LLP** 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Internal Address: Atty. Dkt.: S0255.0034/P034 Authorized to be charged by credit card Street Address: 1825 Eye Street, NW Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) Washington City: 8. Payment Information Zip: 20006-5403 State: a. Credit Card 1002 Last 4 Numbers (202) 420-4742 Expiration Date Phone Number:

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Name of Person Signing

Signature

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02/09/2007 MBERHE 00000177 11633477 02 FC:8021 40.00 OF

Total number of pages including cover sheet, attachments, and documents:

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DSMDB-2212006v01

February 8, 2007

Date

## ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, by Shigeki FUKUNISHI
("Assignors"), residing atc/o Ricoh Co., Ltd., 3-6, Nakamagome
1-chome, Ohta-ku, TOKYO 143-8555 JAPAN
, and
, respective
WHEREAS, Assignors have invented certain new and useful improvements in PRINT DATA PROCESSING APPARATUS, PRINTING APPARATUS, PRINTING SYSTEM, PRINT DATA PROCESSING METHOD, AND COMPUTER PROGRAM PRODUCT
set forth in an application for Letters Patent of the United States, executed concurrently
herewith; and

WHEREAS, Ricoh Company, Ltd. ("Assignee"), a Japanese company having a place 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 inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of

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PATENT REEL: 018908 FRAME: 0440 Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and

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the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals 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 United States Patent and Trademark Office for recordation of this document: Gary M. Hoffman, 26,411, Thomas J. D'Amico, 28,371, Donald A. Gregory, 28,954, James W. Brady, Jr., 32,115, Jon D. Grossman, 32,699, and Mark J. Thronson, 33,082, all of Dickstein Shapiro Morin & Oshinsky LLP, Washington, D.C.

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date:	Jan. 16, 2007	Assignor:	Shigeki Fukunishi Shigeki FUKUNISHI
Date:		Assignor:	·
Date:	·	Assignor:	<del></del>
Date:		Assignor:	
Date:		Assignor:	<del></del>
Date:	Jan. 16, 2007	Witness: _	Naruhiko Ogasavara Naruhiko Ogasanara
Date:	Jan. 16, 2007	Witness:	Akiyoshi Ono

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PATENT REEL: 018908 FRAME: 0442

RECORDED: 02/08/2007