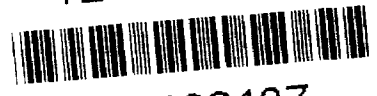


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1. Name of conveying party(ies): Shinya Shimizu Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <u>Ricoh Company, Ltd.</u> Internal 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
3. Nature of conveyance/Execution Date(s): Execution Date(s): <u>October 24, 2007</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 _____	

4. Application or patent number(s): A. Patent Application No.(s) <u>11/902,889</u> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> This document is being filed together with a new application. B. Patent No.(s) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Thomas J. D'Amico</u> <u>DICKSTEIN SHAPIRO LLP</u> Internal Address: <u>Atty. Dkt.: R2180.0357/P357</u> Street Address: <u>1825 Eye Street, NW</u> City: <u>Washington</u> State: <u>DC</u> Zip: <u>20006-5403</u> Phone Number: <u>(202) 420-2232</u> Fax Number: <u>(202) 420-2201</u> Email Address: <u>DAmicoT@dicksteinshapiro.com</u>	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input checked="" type="checkbox"/> Authorized to be charged by credit card <input type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers <u>1002</u> Expiration Date <u>01/11</u> b. Deposit Account Number _____ Authorized User Name _____
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9. Signature:  _____ Signature <u>Thomas J. D'Amico - 28,371</u> Name of Person Signing	<u>November 30, 2007</u> Date 12/03/2007 MARHEDI 00000075 11902889 Total number of pages including cover sheet, attachments, and documents: 5
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11-09-2007



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Shinya Shimizu

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Ricoh Company, Ltd.

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? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): October 27, 2007

Assignment Merger Change of Name

Security Agreement Joint Research Agreement

Government Interest Assignment

Executive Order 9424, Confirmatory License

Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

11/902,889

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Thomas J. D'Amico
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6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

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None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 1002

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Authorized User Name _____

9. Signature:

November 6, 2007

Date

Thomas J. D'Amico - 28,371

Name of Person Signing

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

5

11/06/2007 FACILE: 2285246 108506
11/06/07

ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT, made by Shinya Shimizu (hereinafter referred to as Assignor), residing at c/o Ricoh Company, Ltd., 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo, 143-8555, JAPAN;

WHEREAS, Assignor has invented certain new and useful improvements in SWITCHING REGULATOR AND CONTROL CIRCUIT AND METHOD USED THEREIN, set forth in a Patent application for Letters Patent of the United States, already filed on September 26, 2007 as U.S. Patent Application No. 11/902,889; and

WHEREAS, Ricoh Company, Ltd., a corporation organized under and pursuant to the laws of Japan having its principal place of business at 3-6, Nakamagome 1-chome (hereinafter referred to as Assignee), 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 therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does 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 therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property including all rights of priority, 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 Assignor, had this sale and assignment not been made.

AND for the same consideration, Assignor hereby represents and warrants 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, Assignor is the sole and lawful owners 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 Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor 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 Patent 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 Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignor hereby grants 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:

DICKSTEIN SHAPIRO LLP

All practitioners at Customer Number 24998

AND Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

October 24, 2007
Date

Shinya Shimizu
Shinya Shimizu

Witness:

Date

Witness:

Date
