

08-01-2008

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To the Director of the U.S. Patent and Trademark Office

documents or the new address(es) below.

1. Name of conveying party(ies):

Koichi Morino

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): July 11, 2008

- 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)

This application

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Mark J. Thronson  
DICKSTEIN SHAPIRO LLP

Internal Address: Atty. Dkt.: R2184.0669/P669  
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City: Washington

State: DC Zip: 20006-5403

Phone Number: (202) 420-4742

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Email Address: ThronsonM@dicksteinshapiro.com

6. Total number of applications and patents involved:

1

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

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 1002  
Expiration Date 01/11

b. Deposit Account Number  
Authorized User Name

9. Signature:

Signature

July 23, 2008

Date

Mark J. Thronson - 33,082

Name of Person Signing

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

3

07/24/2008 LTRUONG 00000043 12219525  
04 FC:8021

40.00 DP

## ASSIGNMENT

**THIS ASSIGNMENT**, by **KOICHI MORINO** and, \_\_\_\_\_  
(hereinafter referred to as "Assignors"), residing at Kanagawa, Japan and \_\_\_\_\_,  
respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in  
OVERCURRENT LIMITATION AND OUTPUT SHORT-CIRCUIT PROTECTION CIRCUIT,  
VOLTAGE REGULATOR USING OVERCURRENT LIMITATION AND OUTPUT SHORT-  
CIRCUIT PROTECTION CIRCUIT, AND ELECTRONIC EQUIPMENT, set forth in a patent  
application for Letters Patent of the United States, executed concurrently herewith; and

**WHEREAS**, Ricoh Company, Ltd. (hereinafter referred to as "Assignee"), having  
offices 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 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 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  
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 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 Assignors hereby request the Director of the United States Patent and Trademark Office 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 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: All practitioners associated with Customer Number 24998 (Dickstein Shapiro LLP).

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

July 11, 2008  
Date

Koichi Morino  
KOICHI MORINO


\_\_\_\_\_  
Date

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\_\_\_\_\_  
Date

\_\_\_\_\_

July 11, 2008  
Date

  
Witness

July 11, 2008  
Date

  
Witness