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102311760

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

1. Name of conveying party(ies):  
Akihiko Fujiwara  
*12/03/02*  
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  
City: Tokyo  
State: Japan Zip: 143-8555  
Additional name(s) & address(es) attached:  Yes  No

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Date: September 6, 2001

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the new application is: September 6, 2001  
A. Patent Application No.(s): \_\_\_\_\_  
B. Patent No.(s): \_\_\_\_\_  
Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: Mark J. Thronson  
DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP  
Internal Address: Atty. Dkt.: R2184.0122/P122  
Street Address: 2101 L Street NW  
City: Washington State: DC Zip: 20037-1526

6. Total number of applications and patents involved: 1  
7. Total fee (37 CFR 3.41) \$ 40.00  
 Enclosed  
 Authorized to be charged to deposit account  
8. Deposit account number: 04-1073  
(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*  
Mark J. Thronson (33,082) *[Signature]* September 19, 2001  
Name of Person Signing Signature Date  
Total number of pages including cover sheet, attachments, and documents: 4

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12/03/02

12/13/2002 LMUELLER 00000208 041073 10308198  
01 FC:8021 40.00 CH

## ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by AKIHIKO FUJIWARA,

and \_\_\_\_\_ (hereinafter referred to as  
"Assignors"), respectively residing at: Tokyo, Japan

and \_\_\_\_\_

WHEREAS, Assignors have invented certain new and useful improvements in  
CHARGE/DISCHARGE PROTECTION APPARATUS HAVING A CHARGE-STATE OVERCURRENT  
DETECTOR, AND BATTERY PACK INCLUDING THE SAME,

set forth in an application for Letters Patent of the United States, executed concurrently  
herewith; 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,  
Ohta-ku, Tokyo 143-8555, Japan (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 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 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 Assignor, 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 application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions, 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 Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions