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RECORDED

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

1. Name of conveying party(ies):
Masaaki Nakagawa (04/16/2003) and Naoya Ohhashi (04/16/2003)

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: _____
Country: _____ Zip: _____
Additional name(s) & address(es) attached: Yes No

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: 4/16/03

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: April 16, 2003
A. Patent Application No.(s): 10,422,913
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.: R2184.0225/P225
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
 Authorized to be charged to credit card (Form 2038 enclosed)
8. Deposit account number: 04-1073
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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) _____ April 25, 2003
Name of Person Signing Signature Date
Total number of pages including cover sheet, attachments, and documents: 4

04/28/2003 ANAB11 00000064 10422913
04 FD:8021 40.00 DP

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, by MASAAKI NAKAGAWA and NAOYA OHHASHI
_____, _____, (hereinafter referred to as "Assignors"),
residing at Kanagawa, Japan and Kanagawa, Japan,
_____, _____, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in
INFORMATION RECORDING METHOD AND APPARATUS, INFORMATION
PROCESSING APPARATUS, INFORMATION RECORDING SYSTEM AND COMPUTER-
READABLE STORAGE MEDIUM, 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 Commissioner of Patents 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 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: Edward A. Meilman, Reg. No. 24,735, Gary M. Hoffman, Reg. No. 26,411, Steven I. Weisburd, Reg. No. 27,409, Thomas J. D'Amico, Reg. No. 28,371, Donald A. Gregory, Reg.

No. 28,954, Stephen A. Soffen, Reg. No. 31,063, James W. Brady, Jr., Reg. No. 32,115, Jon D. Grossman, Reg. No. 32,699, Mark J. Thronson, Reg. No. 33,082, Michael J. Scheer, Reg. No. 34,425, and Eric Oliver, Reg. No. 35,307, of Dickstein Shapiro Morin & Oshinsky LLP.

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

Assignors:

Masaaki Nakagawa
MASAAKI NAKAGAWA

Date: 16/04/2003

NAOYA OHHASHI
NAOYA OHHASHI

Date: 16/04/2003

Date: _____

Date: _____

Witnesses:

[Signature]

Date: April 16, 2003

Kei Nakano

Date: April 16, 2003