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Hiroyuki SUGIMOTO, Shigeaki NIMURA, Kyohji TSUTSUI,
Nobuyuki TAMAOKI and Hiroo MATSUDA

2. Name and address of receiving party(ies):
Name: 1.) Director-General of Agency of Industrial
Science and Technology
2.) Nobuyuki TAMAOKI
3.) Hiroo MATSUDA
4.) Ricoh Company, Ltd.
Address: 1, 2 and 3.) 1-1, Higashi, Tsukuba-shi,
Ibaraki-ken 305-0046, Japan
4.) 3-6, Nakamagome 1-chome, Ohta-ku,
Tokyo 143-8555, Japan

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

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to correct the Assignees' Names and Addresses.
Execution Date: March 7, 7, 7, 10 and 10, 2000

Additional name(s) and address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)
09/513,083

B. Patent No.(s)

Additional numbers attached? Yes No

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6. Total applications and patents involved: 1

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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.

Norman F. Oblon

Name of Person Signing

Registration Number: 24,618

Norman F. Oblon E. BEAUMONT September 27, 2000
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PATENT

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1. Name of conveying party(ies):
Hiroyuki SUGIMOTO, Shigeaki NIMURA, Kyohji TSUTSUI,
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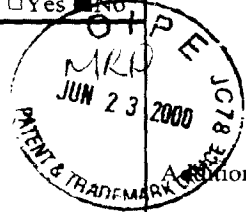
2. Name and address of receiving party(ies):
Name: Director-General of Agency of Industrial
Science and Technology, Nobuyuki
TAMAOKI, Hiroo MATSUDA and Ricoh
Company, Ltd.

Address: 1-1, Higashi, Tsukuba-shi
Ibaraki-ken 305-0046, JAPAN
and 3-6, Nakamagome 1-chome, Ohta-ku
Tokyo 143-8555, JAPAN

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 Other

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March 10, 2000



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Norman F. Oblon

Name of Person Signing

Registration Number: 24,618

Frederick D. Vastine

Signature

Frederick D. Vastine
Registration No. 27,013

6/27/00

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07/18/2000 MTHA11 00000123 09513083

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Assignment Of Application

WHEREAS, I (WE) Hiroyuki SUGIMOTO, Shigeaki NIMURA, Kychji TSUTSUI,

Nobuyuki TAMAOKI and Hiroo MATSUDA

INSERT NAMES
AND RESIDENCE
ADDRESSES OF
THE INVENTORS:

of the following addresses:

Kanagawa, JAPAN

Chiba, JAPAN

Shizuoka, JAPAN

Ibaraki, JAPAN

Ibaraki, JAPAN

_____, respectively,

INSERT TITLE
OF INVENTION:

have invented certain new and useful improvements in: REVERSIBLE RECORDING MEDIUM,

AND REVERSIBLE RECORDING METHOD AND APPARATUS USING THE SAME

INSERT DATE IN-
VENTORS SIGNED
DECLARATION:

for which an application for Letters Patent was executed on March 7, 2000
March 10, 2000

(Application No. 09/513,083, filed February 25, 2000), and
Director-General of Agency of Industrial Science And

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE:

WHEREAS, Technology, Nobuyuki TAMAOKI, Hiroo MATSUDA and Ricoh Company, Ltd.

(hereinafter referred to as "ASSIGNEE") having a place of business at: 1-1, Higashi, Tsukuba-
shi, Ibaraki-ken 305-0046, Japan and 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 invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, 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.

Executed at: Ibaraki and Tokyo, Japan

Date: March 7, 2000

Hirooyuki Sugimoto
(Signature of Inventor) Hirooyuki SUGIMOTO

Date: March 7, 2000

ニ村 英一
(Signature of Inventor) Shigeaki NIMURA

Date: March 7, 2000

Kyohji Tsutsui
(Signature of Inventor) Kyohji TSUTSUI

Date: March 10, 2000

Nobuyuki Tamaoki
(Signature of Inventor) Nobuyuki TAMAOKI

Date: March 10, 2000

松田 浩
(Signature of Inventor) Hiroo MATSUDA

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
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