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To the Honorable Commissioner of Patent

101588714

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1. Name of conveying party(ies):

Tatsuo FUKANO, Naohiko KATO, Yasuhiko TAKEDA,
Akihiro TAKEICHI and Tomoyoshi MOTOHIRO

2. Name and address of receiving party(ies):

Name: KABUSHIKI KAISHA TOYOTA CHUO
KENKYUSHO

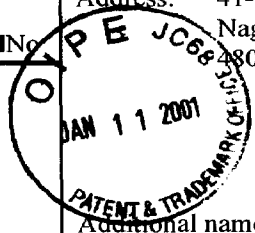
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Nagakute-cho, Aichi-gun, Aichi-ken,
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Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of Conveyance:

- Assignment
- Security Agreement
- Other
- Merger
- Change of Name

Execution Date: March 22, 1999



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: N/A

A. Patent Application No.(s)
09/285,757

B. Patent No.(s)

Additional numbers attached? Yes No

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



22850

6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00
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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.

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Joseph A. Scafetta, Jr.
Signature

Jan. 11, 2001
Date

Joseph A. Scafetta, Jr.
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Assignment Of Application

WHEREAS, I (WE) Tatsuo FUKANO of Aichi, Japan; Naohiko KATO of Aichi, Japan;

INSERT NAMES
AND RESIDENCE
ADDRESSES OF
THE INVENTORS:

Yasuhiko TAKEDA of Aichi, Japan; Akihiro TAKEICHI of Aichi, Japan and Tomoyoshi MOTOHIRO
of Aichi, Japan

_____, respectively,

INSERT TITLE
OF INVENTION:

have invented certain new and useful improvements in: RECORDING MEDIUM

INSERT DATE IN-
VENTORS SIGNED
DECLARATION:

for which an application for Letters Patent was executed on March 22, 1999

(Application No. 09/285,757, filed April 5, 1999), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE:

WHEREAS, KABUSHIKI KAISHA TOYOTA CHUO KENKYUSHO
(hereinafter referred to as "ASSIGNEE") having a place of business at: 41-1, Aza Yokomichi,

Daza Nagakute, Nagakute-cho, Aichi-gun, Aichi-ken, 480-1192, 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.

Date: March 22, 1999

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(Signature of Inventor) Tatsuo FUKANO

Date: March 22, 1999

Naohiko Kato
(Signature of Inventor) Naohiko KATO

Date: March 22, 1999

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Date: March 22, 1999

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Date: March 22, 1999

Tomoyoshi Motohiro
(Signature of Inventor) Tomoyoshi MOTOHIRO

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

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