

8-9-01  
08-17-2001

IEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Tab settings → → → ▼

To the Honorable Commissioner of Patents and Trademarks 101815594

the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Masaki Hamamoto Kazuhisa Takayama  
Hiroyuki Katayama Kosuke Watanabe  
Kunio Kojima  
Junichi Sato

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

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

Name: Sharp Kabushiki Kaisha

Address: 22-22 Nagaike-cho

Abeno-ku

City: Osaka 545-8522

State/Prov.: \_\_\_\_\_

Country: JAPAN

ZIP: \_\_\_\_\_

Additional name(s) &amp; address(es)

☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_

Execution Date: July 25, 2001

## 4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: July 25, 2001

Patent Application No.

Filing date

B. Patent No.(s)

08/14/2001 MWOLBER1 00000050 02255907

03 FD:501

40.00 OP

Additional numbers

☐ Yes ☒ No

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

Name: David G. Conlin

Registration No. 27026

Address: Dike, Bronstein, Roberts &amp; Cushman

Intellectual Property Practice Group - Edwards &amp; Angell

P.O. Box 9169

City: Boston

State/Prov.: MA

Country: USA

ZIP: 02209

## 6. Total number of applications and patents involved:

1

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

☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☐ Authorized to be charged to deposit account

## 8. Deposit account number:

04-1105

DO NOT USE THIS SPACE

## 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.

David G. Conlin

Name of Person Signing

Signature

August 9, 2001

Date

Total number of pages including cover sheet, attachments, and

3

# A S S I G N M E N T

We Masaki HAMAMOTO,  
Hiroyuki KATAYAMA  
 and Kunio KOJIMA  
 for good and valuable consideration from SHARP KABUSHIKI KAISHA  
 , a Japanese corporation,  
 having its principal place of business in Osaka, Japan  
 hereinafter called the Assignee, receipt of which is hereby acknowledged, do hereby  
 sell, assign and transfer unto the Assignee, its successors and assigns, the entire  
 right, title and interest in, to and under an application for Letters Patent of the  
 United States Serial No. \_\_\_\_\_, filed on \_\_\_\_\_ \* signed by us  
 for Improvements in MAGNETIC SIGNAL RECORDING METHOD AND MAGNETIC  
RECORDING-REPRODUCTION APPARATUS  
 including all priority rights ensuing therefrom, and the inventions and any of them  
 therein set forth and described, and any and all Letters Patent of the United States  
 and of countries foreign thereto which may be granted thereon or therefor, together  
 with the right to apply for such Letters Patent.

And for the above consideration we agree promptly upon request of the Assignee,  
 its successors or assigns, to execute and deliver without further compensation any  
 power of attorney, assignment, application, whether original, divisional, continuation  
 or reissue, or other papers which may be necessary or desirable fully to secure to the  
 Assignee, its successors and assigns, the inventions and any of them described in said  
 application and all patent rights therein, in the United States and in any country  
 foreign thereto.

The undersigned hereby grant(s) the law firm of Dike, Bronstein, Roberts &  
 Cushman 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  
 U.S. Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I, Masaki HAMAMOTO, hereunto set my  
 hand and seal this 25th day of July, 2001, I, Hiroyuki  
KATAYAMA, hereunto set my hand and seal this 25th day of July, 2001  
 , and I, Kunio KOJIMA, hereunto set my hand and seal  
 this 25th day of July, 2001.

Masaki Hamamoto  
Hiroyuki Katayama  
Kunio Kojima

Commonwealth [State] of \_\_\_\_\_ ss.  
 County of \_\_\_\_\_

Before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, personally appeared  
 \_\_\_\_\_, who is to me personally known, and acknowledged  
 the foregoing instrument of assignment to be [her] his free act and deed.

\_\_\_\_\_  
 Notary Public

Commonwealth [State] of \_\_\_\_\_ ss.  
 County of \_\_\_\_\_

Before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, personally appeared  
 \_\_\_\_\_, who is to me personally known, and acknowledged  
 the foregoing instrument of assignment to be [her] his free act and deed.

\_\_\_\_\_  
 Notary Public

\*Where the application is assigned before it is filed,  
 and hence has no Serial No., this shall be left blank.

# A S S I G N M E N T

We Junichi SATO,  
Kazuhisa TAKAYAMA  
 and Kosuke WATANABE  
 for good and valuable consideration from SHARP KABUSHIKI KAISHA  
 a Japanese corporation,  
 having its principal place of business in Osaka, Japan  
 hereinafter called the Assignee, receipt of which is hereby acknowledged, do hereby  
 sell, assign and transfer unto the Assignee, its successors and assigns, the entire  
 right, title and interest in, to and under an application for Letters Patent of the  
 United States Serial No. \_\_\_\_\_, filed on \_\_\_\_\_ \* signed by us  
 for Improvements in MAGNETIC SIGNAL RECORDING METHOD AND MAGNETIC  
RECORDING-REPRODUCTION APPARATUS  
 including all priority rights ensuing therefrom, and the inventions and any of them  
 therein set forth and described, and any and all Letters Patent of the United States  
 and of countries foreign thereto which may be granted thereon or therefor, together  
 with the right to apply for such Letters Patent.

And for the above consideration we agree promptly upon request of the Assignee,  
 its successors or assigns, to execute and deliver without further compensation any  
 power of attorney, assignment, application, whether original, divisional, continuation  
 or reissue, or other papers which may be necessary or desirable fully to secure to the  
 Assignee, its successors and assigns, the inventions and any of them described in said  
 application and all patent rights therein, in the United States and in any country  
 foreign thereto.

The undersigned hereby grant(s) the law firm of Dike, Bronstein, Roberts &  
 Cushman 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  
 U.S. Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I, Junichi SATO, hereunto set my  
 hand and seal this 25th day of July, 2001, I, Kazuhisa  
TAKAYAMA, hereunto set my hand and seal this 25th day of July, 2001  
 and I, Kosuke WATANABE, hereunto set my hand and seal  
 this 25th day of July, 2001.

Junichi Sato  
Kazuhisa Takayama  
Kosuke Watanabe

Commonwealth [State] of \_\_\_\_\_ ss.  
 County of \_\_\_\_\_

Before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, personally appeared  
 \_\_\_\_\_, who is to me personally known, and acknowledged  
 the foregoing instrument of assignment to be [her] his free act and deed.

\_\_\_\_\_  
 Notary Public

Commonwealth [State] of \_\_\_\_\_ ss.  
 County of \_\_\_\_\_

Before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, personally appeared  
 \_\_\_\_\_, who is to me personally known, and acknowledged  
 the foregoing instrument of assignment to be [her] his free act and deed.

\_\_\_\_\_  
 Notary Public

\*where the application is assigned before it is filed,  
 and hence has no Serial No., this shall be left blank.