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101670834

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Tab settings

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

1. Name of conveying party(ies):

**RYOJI MINAKATA
MASASHI MICHIJIMA
HIDEKAZU HAYASHI**

3-16-01

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,**

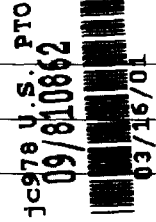
City: **Osaka 545-8522**

State/Prov.: _____

Country: **Japan**

ZIP: _____

Additional name(s) & address(es) Yes No



3. Nature of conveyance:

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

Execution Date: March 7, 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: March 7, 2001

Patent Application No. Filing date

03/21/2001 HLE333 00000038 09810862
02 PD:50: 40.00 02

B. Patent No.(s)

Yes No

09/810/862

Additional numbers

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 & Cushman,**

Intellectual Property Practice Group

EDWARDS & ANGELL, LLP, 130 Water Street

City: **Boston** State/Prov.: **MA**

Country: **USA** ZIP: **02109**

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

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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.

David G. Conlin (Reg. No. 27026)

March 16, 2001

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and

3

Assignment

SERIAL NO. _____

FILED _____

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged,

Ryoji MINAKATA

Masashi MICHIJIMA

Insert Name(s)
of Inventor(s)

Hidekazu HAYASHI

(hereinafter designated as the undersigned) hereby sell(s) and assign(s) to

Insert Name
of Assignee

SHARP KABUSHIKI KAISHA

Address of
Assignee

of 22-22, Nagaike-cho, Abeno-ku, Osaka, JAPAN

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee), the entire right, title and interest in the invention or improvements in

Title of
Invention

MAGNETIC MEMORY ELEMENT AND MAGNETIC MEMORY

USING THE SAME

for which an application for Letters Patent of the United States of America has been executed by the undersigned

Date of Signing
of Application

on March 7, 2001

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof or letters patent or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date March 7, 2001, Name of Inventor Pyoji Minohata
(signature)

Date March 7, 2001, Name of Inventor Masashi Michijima
(signature)

Date March 7, 2001, Name of Inventor Hidekazu Hayashi
(signature)

Date _____, Name of Inventor _____
(signature)

Date _____, Name of Inventor _____
(signature)

Date _____, Name of Inventor _____
(signature)

Date _____, Name of Inventor _____
(signature)

(This assignment should preferably be acknowledged before a United States Consul or Notary Public. If not, then the execution by the Inventor(s) should be witnessed by at least two other persons who sign here.)

Witness Kyoko Tsunemoto

Witness Kyoko Yamamoto

Witness _____

ACKNOWLEDGMENT

_____ }

On this _____ day of _____, 19____, before me
personally appeared the above-named _____

to me personally known to be the individual(s) who executed the foregoing assignment, who did
acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set
forth.

Witness my hand and seal the day and year last above given.

(SEAL)

Official Signature

Official Title