

10-31-2002

U.S. DEPARTMENT OF COMMERCE



1 SHEET

Patent and Trademark Office
Docket No. 299002055500

102266913

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

1. Name of conveying party(ies):
Yasumichi MORI, Ken SUMITANI, Yuji TANAKA and
Haruyasu FUKUI
10-25-02
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
Name: Sharp Kabushiki Kaisha
Internal Address:
Street Address: 22-22, Nagaikecho, Abeno-ku
City: Osaka, State: Japan ZIP: 545-8522
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other:
Execution Date: June 28, 2002 for all conveying parties.

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) *10/187,048* filed on June 28, 2002
B. Patent No.(s)
Additional numbers attached? Yes No

FINANCIAL SECTION
NOV 10 10 56

5. Name and address of party to whom correspondence concerning document should be mailed:
Madeline I. Johnston
Morrison & Foerster LLP
755 Page Mill Road
Palo Alto, California 94304-1018

6. Total number of applications and patents involved: one (1)
7. Total fee (37 C.F.R. § 3.41): \$40.00
 Enclosed
 Authorized to be charged to deposit account, referencing Attorney Docket 299002055500

8. Deposit account number: 03-1952

The Commissioner is hereby authorized to charge any fees under 37 C.F.R. § 1.21 that may be required by this paper, or to credit any overpayment to **Deposit Account No. 03-1952**.

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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.
Name: Madeline I. Johnston
Registration No: 36,174
Signature: *[Signature]*
Date: *10/15/02*

Total number of pages comprising cover sheet, attachments and document: three (3)

10/30/2002 TDIAZ1 00000202 031952 10187048
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Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

pa-736096

PATENT
REEL: 13428 FRAME: 0093

ASSIGNMENT

WHEREAS, The ASSIGNOR, comprising the following named inventor(s):

1. Yasumichi MORI;
635-1-502, Tsujimachi, Ikoma-shi,
Nara Japan
2. Ken SUMITANI;
Raporutenri 848, 2613-1, Ichinomotocho, Tenri-shi,
Nara Japan
3. Yuji TANAKA;
28-9-202, Hiramatsu 1-chome, Nara-shi,
Nara Japan
4. Haruyasu FUKUI;
956-1, Yoshinoyama, Yoshino-cho, Yoshino-gun,
Nara Japan

has invented and owns a certain invention entitled:

NON-VOLATILE SEMICONDUCTOR MEMORY DEVICE AND
INFORMATION APPARATUS

for which application for Letters Patent of the United States, having an oath or declaration executed on even date herewith; or bearing Serial No. 10/187,048 and filed on June 28, 2002 and

WHEREAS, the ASSIGNEE:

SHARP KABUSHIKI KAISHA

22-22, Nagaikecho, Abeno-ku, Osaka 545-8522 Japan

is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum corresponding to One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment sale agreement charge or other encumbrance has been or will be entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts

and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

IN WITNESS WHEREOF, the parties have hereunto set their hands and seal

this 28th day of June, 2002.

1. Yasumichi MORI
(Yasumichi MORI)

2. Ken Sumitani
(Ken SUMITANI)

3. Yuji Tanaka
(Yuji TANAKA)

4. Haruyasu Fukui
(Haruyasu FUKUI)