

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

RECORDATION

10-06-2003



102567792

9.17.03

TO THE HONORABLE DIRECTOR OF THE UNITED STATES
ORIGINAL DOCUMENTS OR COPY THEREOF.

PLEASE RECORD THE ATTACHED

1. Name of conveying party(ies):

- (a) Jeffrey W. Lutze
- (b) Jian Chen
- (c) Yan Li

Additional name(s) of conveying party(ies) attached?

Yes No

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

Name: SanDisk Corporation
 140 Caspian Court
 Sunnyvale, CA94089
 U.S.A.

03945 U.S. PTO
10/665685

09/17/03

3. Nature of Conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: (a) 8/19/03 (b) 8/21/03 (c) 8/21/03

Name and address of receiving party(ies):

Name:
 Street Address:
 City: State: Zip:
 Country:
 Additional name(s) & 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: 8/19/03, 8/21/03, 8/21/03

A. Patent Application No.(s) -

Title:

10665685

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Michael G. Cleveland
 Internal Address: Parsons Hsue & de Runtz LLP
 Street Address: 655 Montgomery Street, Suite 1800
 City San Francisco State CA Zip 94111

6. Total number of applications and patents involved: 1

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

- A check is enclosed that includes the total fee.
- Charge Deposit Account 502664 for any additional fees required for this conveyance and credit deposit account 502664 any amounts overpaid

DO NOT USE THIS SPACE

8. 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.

Michael G. Cleveland, Reg. No.: 46,030
Name of Person Signing

[Handwritten Signature]

Signature

Sept 17, 2003
Date

Total number of pages including cover sheet, attachments, and documents: 3

09/24/2003 WABRHAM1 00000059 10665685

FD-10021

40.00 DP

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we, Kazunori Kanebako of Yokohama, Japan and Tomoharu Tanaka, of Yokohama, Japan, hereby sell, assign and transfer to Kabushiki Kaisha Toshiba, a Japanese corporation, having a place of business at 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan, its successors and assigns, the entire right, title and interest throughout the world in our invention in:

METHODS FOR IDENTIFYING NON-VOLATILE MEMORY ELEMENTS WITH POOR SUBTHRESHOLD SLOPE OR WEAK TRANSCONDUCTANCE

for which we have executed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 1 day of Sept, 2003.

Kazunori Kanebako
Kazunori Kanebako

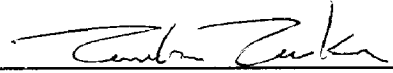
State of _____)
County of _____) ss

On _____ before me, _____ personally appeared _____ personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

SIGNATURE OF NOTARY

Executed this 25 day of August, 2003.



Tomoharu Tanaka

State of _____)

County of _____) ss

On _____ before me, _____ personally appeared _____ personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

SIGNATURE OF NOTARY

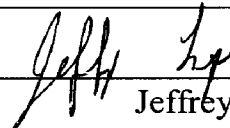
ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we, Jeffrey W. Lutze of San Jose, CA, Jian Chen of San Jose, CA, and Yan Li of Milpitas, CA, hereby sell, assign and transfer to SanDisk Corporation, a Delaware corporation, having a place of business at 140 Caspian Court, Sunnyvale, California, 94089, its successors and assigns, the entire right, title and interest throughout the world in our invention in:

METHODS FOR IDENTIFYING NON-VOLATILE MEMORY ELEMENTS WITH POOR SUBTHRESHOLD SLOPE OR WEAK TRANSCONDUCTANCE

for which we have executed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 19 day of August, 2003.



Jeffrey W. Lutze


State of _____)
County of _____) ss

On _____ before me, _____ personally appeared _____ personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

SIGNATURE OF NOTARY

Executed this 21st day of August, 2003.



Yan Chen

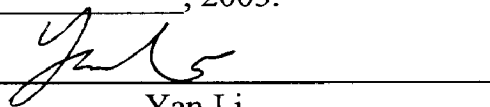
State of _____)
County of _____) ss

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WITNESS my hand and official seal.

SIGNATURE OF NOTARY

Executed this 21 day of August, 2003.



Yan Li

State of _____)
County of _____) ss

On _____ before me, _____ personally appeared _____ personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

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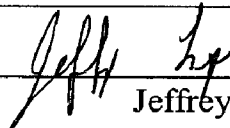
ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we, Jeffrey W. Lutze of San Jose, CA, Jian Chen of San Jose, CA, and Yan Li of Milpitas, CA, hereby sell, assign and transfer to SanDisk Corporation, a Delaware corporation, having a place of business at 140 Caspian Court, Sunnyvale, California, 94089, its successors and assigns, the entire right, title and interest throughout the world in our invention in:

METHODS FOR IDENTIFYING NON-VOLATILE MEMORY ELEMENTS WITH POOR SUBTHRESHOLD SLOPE OR WEAK TRANSCONDUCTANCE

for which we have executed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 19 day of August, 2003.



Jeffrey W. Lutze


State of _____)
County of _____) ss

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WITNESS my hand and official seal.

SIGNATURE OF NOTARY

Executed this 21st day of August, 2003.



Yan Chen

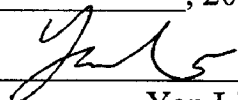
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Yan Li

State of _____)
County of _____) ss

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WITNESS my hand and official seal.

SIGNATURE OF NOTARY

RECORDATION FORM COVER SHEET
PATENTS ONLY

TO THE HONORABLE DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE. PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

1. Name of conveying party(ies):
 (a) Kazunori Kanebako
 (b) Tomoharu Tanaka

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

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

Name: Kabushiki Kaisha Toshiba
 1-1, Shibaura 1-chome, Minato-ku
 Tokyo
 JAPAN

03945 U.S. PTO
10/665685



3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: (a) 9/01/03 (b) 8/25/03

Name and address of receiving party(ies):

Name:
 Street Address:
 City: State: Zip:
 Country:
 Additional name(s) & 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: 9/01/03, 8/25/03

A. Patent Application No.(s) -
 Title:

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Michael G. Cleveland
 Internal Address: Parsons Hsue & de Runtz LLP
 Street Address: 655 Montgomery Street, Suite 1800
 City San Francisco State CA Zip 94111

6. Total number of applications and patents involved: 1

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

A check is enclosed that includes the total fee.
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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.

Michael G. Cleveland, Reg. No.: 46,030
 Name of Person Signing

[Signature] Signature

Sept 17 2003 Date

Total number of pages including cover sheet, attachments, and documents: 3