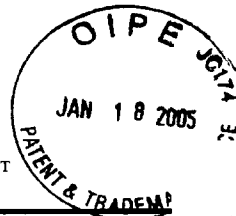


Atty Docket No.: 260023US2SX

FORM PTO-1595
06-04

RECORDATION FORM COVER SHEET
PATENTS ONLY



01-26-2005

To the Director of the United States Patent and Trademark Office. Please record the attached



1. Name of conveying party(ies):

Hitoshi SHIGA
Chin-Hung WANG
Chin Hsi LIN

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

2. Name and address

102926106

Name: 1) KABUSHIKI KAISHA TOSHIBA
2) SOLID STATE SYSTEM CO., LTD.
Address: 1) 1-1, Shibaura 1-chome, Minato-ku, Tokyo
105-8001, Japan
2) 5F-1, No.22, Taiyuen Street, JubeiCity,
Hsinchu, Taiwan 302, R.O.C

3. Nature of Conveyance:

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

Execution Date: November 19, October 20, 21, 2004

Additional name(s) and address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

☐ This document is being filed together with a new application

A. Patent Application No.(s)

10/958,331

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Customer Number

22850

Tel. (703) 413-3000
Fax. (703) 413-2220

6. Total applications and patents involved: 1

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

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number: 15-0030
(Attach duplicate copy of this page if paying by deposit account)

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.

Eckhard H. Kuesters
Name of Person Signing

Joseph Scafetta Jr.
Signature

JAN 18 2005
Date

Registration Number: 28,870

Joseph Scafetta, Jr.
Registration No. 26,803

Total number of pages including this cover sheet: 5

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Director of the United States Patent and Trademark Office
Mail Stop Assignment Recordation Services
Alexandria, Virginia. 22313

01/21/2005 SBIETA1 00000030 10958331

01 FC:8021

40.00 0P

PATENT
REEL: 016168 FRAME: 0777

In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

NAND FLASH MEMORY AND BLANK PAGE SEARCH METHOD THEREFOR

sell and assign to

1. KABUSHIKI KAISHA TOSHIBA, a Japanese corporation, having a business address at 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan; and
2. Solid State System Co., Ltd., a Taiwanese corporation, having a business address at 5F-1, No. 22, Taiyuen Street, Jubei City, Hsinchu, Taiwan 302, R.O.C.

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:

(check one) ☒ executed concurrently herewith
☐ executed on _____ ;
☐ Application No. _____, filed _____ ;

and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention.

I hereby grant the following law firm 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.

Oblon, Spivak, McClelland, Maier & Neustadt, P.C., 1940 Duke Street, Alexandria, VA 22314

ASSIGNMENT

(04S0755)

[1st Inventor]

Residence Address: Yokohama-shi, Japan

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,
Minato-ku, Tokyo 105-8001, Japan

Citizenship: Japan

Hitoshi Shiga

Hitoshi Shiga

NOV. 19. 2004

Date:

[2nd Inventor]

Residence Address: Jubei City, Taiwan

Mailing Address: c/o Solid State System Co., Ltd., 5F-1, No.22, Taiyuen Street, Jubei City, Hsinchu,
Taiwan 302, R.O.C.

Citizenship: TAIWAN

Chih-Hung Wang

Date:

[3rd Inventor]

Residence Address: Jubei City, Taiwan

Mailing Address: c/o Solid State System Co., Ltd., 5F-1, No.22, Taiyuen Street, Jubei City, Hsinchu,
Taiwan 302, R.O.C.

Citizenship: TAIWAN

Chin Hsi Lin

Date:

ASSIGNMENT

(04S0755)

In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

NAND FLASH MEMORY AND BLANK PAGE SEARCH METHOD THEREFOR

sell and assign to

1. KABUSHIKI KAISHA TOSHIBA, a Japanese corporation, having a business address at 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan; and
2. Solid State System Co., Ltd., a Taiwanese corporation, having a business address at 5F-1, No.22, Taiyuen Street, JubeiCity, Hsinchu, Taiwan 302, R.O.C.

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:

(check one) ☒ executed concurrently herewith
☐ executed on _____ ;
☐ Application No. _____ , filed _____ ;

and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention.

I hereby grant the following law firm 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.

Oblon, Spivak, McClelland, Maier & Neustadt, P.C., 1940 Duke Street, Alexandria, VA 22314

ASSIGNMENT

(04S0755)

[1st Inventor]

Residence Address: Yokohama-shi, Japan

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan

Citizenship: Japan

Hitoshi Shiga

Date:

[2nd Inventor]

Residence Address: Jubei City, Taiwan

Mailing Address: c/o Solid State System Co., Ltd., 5F-1, No.22, Taiyuen Street, Jubei City, Hsinchu, Taiwan 302, R.O.C.

Citizenship: TAIWAN

Chih-Hung Wang

Chih-Hung Wang

2004/10/20

Date:

[3rd Inventor]

Residence Address: Jubei City, Taiwan

Mailing Address: c/o Solid State System Co., Ltd., 5F-1, No.22, Taiyuen Street, Jubei City, Hsinchu, Taiwan 302, R.O.C.

Citizenship: TAIWAN

Chin Hsi Lin

Chin Hsi Lin

2004/10/21

Date: