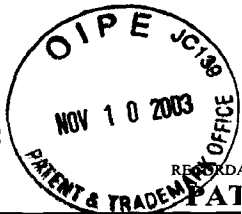


Atty Docket No.: 239691US2S

FORM PTO-1595  
1-31-92



11-14-2003



U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

102600495

To the Director of the United States Patent and Trademark Office. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Kiyoharu OIKAWA, Kimio MARUYAMA, Yasuhiro  
WATANABE, Naokazu KUZUNO and Masaya KUBOTA

11.10.03

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

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

Name: KABUSHIKI KAISHA TOSHIBA

Address: 1-1 Shibaura 1-chome, Minato-ku,  
Tokyo, Japan

3. Nature of Conveyance:

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

Execution Date: August 4, 2003

Additional name(s) and 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:

A. Patent Application No.(s)

10/609,563

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 A. Scafetta, Jr.*  
Signature

Nov. 10, 2003

Date

Registration Number: 28,870

Joseph A. Scafetta, Jr.  
Registration No. 26,803

Total number of pages including this cover sheet: 3

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

11/13/2003 6TOM11 00000067 10609563

01 FC:8021

40.00 DP

PATENT  
REEL: 014682 FRAME: 0108

## A S S I G N M E N T

In consideration of value received, I, having a mailing address at c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan and a residence as stated below next to 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:

## MEMORY DATA PROTECTION SYSTEM

said application having been filed on July 1, 2003  
and assigned Application No. 10/609,563 ;  
sell and assign to  
KABUSHIKI KAISHA TOSHIBA  
a corporation of Japan, having a business address at  
1-1 Shibaura 1-chome, Minato-ku, Tokyo, Japan

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 application for United States patent: (check one)

☒ executed concurrently herewith;

☐ executed separately herefrom;

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions 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 proceeding, sign all lawful papers, execute all divisional, continuing, 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 in all countries.

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, Virginia 22314

# A S S I G N M E N T

02S1537-1

Inventor: (Signature)

Date

Residence

Kiyoharu Oikawa  
Kiyoharu Oikawa

AUG. - 4. 2003

Kawasaki-shi, Japan

Kimio Maruyama  
Kimio Maruyama

AUG. - 4. 2003

Yokohama-shi, Japan

Yasuhiro Watanabe  
Yasuhiro Watanabe

AUG. - 4. 2003

Yokohama-shi, Japan

Naokazu Kuzuno  
Naokazu Kuzuno

AUG. - 4. 2003

Kawasaki-shi, Japan

Masaya Kubota  
Masaya Kubota

AUG. - 4. 2003

Kawasaki-shi, Japan

RECORDING OFFICER:

After recording please return to:  
Oblon, Spivak, McClelland,  
Maier & Neustadt, P.C.,

1940 Duke Street  
Alexandria, VA 22314

RECORDED: 11/10/2003

PATENT  
REEL: 014682 FRAME: 0110