

09-01-2005

U.S. Department of Commerce  
Patent and Trademark Office  
Attorney Docket No. 04329.3615  
Attorney Customer Number: 22,852To the Honorable Commissioner of  
Please record the attached original

103072666

ATTN. BOX ASSIGNMENTS RECORDATION  
SERVICES

1. Name of conveying party(ies):

1) Kunihiro MIYAZAKI  
2) Hiroyuki MATSUO  
3) Toshiki NAKAJIMA

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

Names: 1) KABUSHIKI KAISHA TOSHIBA  
2) SEIKO EPSON CORPORATIONAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

Internal Address:

3. Nature of conveyance:

Street Addresses: 1) 1-1 Shibaura 1-chome, Minato-  
ku, Tokyo 105-8001, Japan2) 4-1, Nishishinjuku 2-chome,  
Shinjuku-ku, Tokyo, Japan☒ Assignment ☐ Merger

City:

☐ Security Agreement ☐ Change of Name

State:

Zip Code:

☐ Other:

Additional name(s) &amp; Address(es) attached?

Execution Date: 1) August 9, 2005  
2) August 11, 2005  
3) August 11, 2005☐ Yes☒ NoApplication number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the  
application: 1) August 9, 2005  
2) August 11, 2005  
3) August 11, 2005

A. Patent Application Number(s):

B. Patent Number(s):

Additional numbers attached?

☐ Yes☒ No4. Name and address of party to whom correspondence  
concerning document should be mailed:

Name: Mr. Ernest F. Chapman

5. Total number of applications and registrations  
involved: 1

6. Total fee (37 CFR 3.41): \$40

☒ Enclosed (Please charge deficiency to deposit  
account)☐ Authorized to be charged to deposit accountInternal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT  
& DUNNER, L.L.P.

Street Address: 901 New York Avenue, N.W.

City: Washington, D.C.

State: Zip: 20001-4413

7. Deposit Account No.: 06-0916

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.Richard V. Burgujian  
Reg. No. 31,744

Signature

August 26, 2005

Date

Total number of pages including cover sheet, attachments and documents: 5

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:

METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE, AND A SEMICONDUCTOR SUBSTRATE

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. SEIKO EPSON CORPORATION, a Japanese corporation, having a business address at 4-1, Nishishinjuku 2-chome, Shinjuku-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 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.

Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P., 901 New York Avenue, NW  
Washington, D.C. 20001-4413

ASSIGNMENT

APG038953-USA-A  
(04S1943-1)

[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

Kunihiro Miyazaki  
Kunihiro Miyazaki

August 9, 2005  
Date:

[2nd Inventor]

Residence Address: Suwa-shi, Nagano-ken, Japan

Mailing Address: c/o Seiko Epson Corporation, 3-5, Owa 3-chome, Suwa-shi, Nagano 392-8502 Japan

Citizenship: Japan

Hiroyuki Matsuo

Date:

[3rd Inventor]

Residence Address: Suwa-shi, Nagano-ken, Japan

Mailing Address: c/o Seiko Epson Corporation, 3-5, Owa 3-chome, Suwa-shi, Nagano 392-8502 Japan

Citizenship: Japan

Toshiki Nakajima

Date:

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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.

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(04S1943-1)

[1st Inventor]

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Kunihiro Miyazaki

Date:

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*Hiroyuki Matsuo*  
Hiroyuki Matsuo

*August 11, 2005*  
Date:

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Citizenship: Japan

*Toshiki Nakajima*  
Toshiki Nakajima

*August 11, 2005*  
Date: