

01-24-2005

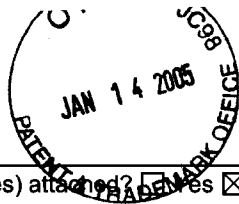


U.S. Department of Commerce  
Patent and Trademark Office  
Attorney Docket No. 03180.0381  
Attorney Customer Number: 22,852

ATTN. BOX ASSIGNMENTS RECORDATION  
SERVICES

1. the Honorable Commissioner of  
Please record the attached original

102923559



1. Name of conveying party(ies):
- 1) Yukiteru MATSUI
  - 2) Gaku MINAMIHABA
  - 3) Hiroyuki YANO
  - 4) Astushi SHIGETA

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

Name: KABUSHIKI KAISHA TOSHIBA

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

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

3. Nature of conveyance:

Street Address:

Assignment  Merger

City:

Security Agreement  Change of Name

State:

Zip Code:

Other:

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

- Execution Date:
- 1) October 27, 2004
  - 2) October 27, 2004
  - 3) October 28, 2004
  - 4) October 27, 2004

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: [Type appropriate information]

A. Patent Application Number(s):

B. Patent Number(s):

10/935,429

Additional numbers attached?

Yes  No

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

6. Total number of applications and registrations involved:  
1

Name: Mr. Ernest F. Chapman

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

Enclosed (Please charge deficiency to deposit account)

Authorized to be charged to deposit account

Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

Street Address: 1300 I Street, N.W.

City: Washington, D.C.

State: Zip: 20005-3315

8. Deposit Account No.: 06-0916

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.

Richard V. Burgujian  
Reg. No. 31,744

January 14, 2005  
Date

ERNEST F. CHAPMAN

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

1-1405

JOINT INVENTION  
(U.S. Rights Only)

**ASSIGNMENT**

WHEREAS, We, the below named inventors, (hereinafter referred to as assignors, have made an invention entitled:

**METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE**

for which we executed an application for United States Letters Patent concurrently herewith or on or filed an application for United States Letters Patent on (Application No. 10/935,429 ); and

WHEREAS, KABUSHIKI KAISHA TOSHIBA , a corporation

of Japan , whose post office address is 1-1, Shibaura 1-chome, Minato-ku Tokyo, Japan (hereinafter referred to as assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, WE HEREBY authorize and request the attorneys we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. 10/935,429 , filed ) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, we have hereunto set our hands.

**First Assignor**

Yukiteru MATSUI

Citizenship: Japan

Signature: Yukiteru Matsui

Date: Oct. 27, 2004

**Second Assignor**

Gaku MINAMIHABA

Citizenship: Japan

Signature: Gaku Minamihaba

Date: Oct. 27, 2004

**Third Assignor**

Hiroyuki YANO

Citizenship: Japan

Signature: Hiroyuki Yano

Date: Oct. 28, 2004

**Fourth Assignor**

Atsushi SHIGETA

Citizenship: Japan

Signature: Atsushi Shigeta

Date: Oct. 27, 2004