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Tadao Seto

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Name: Kabushiki Kaisha Toshiba

Internal Address: _____

Street Address: 1-1-1, Shibaura, Minato-ku

City: Tokyo

State: _____

Country: Japan Zip: 105-8001

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3. Nature of conveyance/Execution Date(s):

Execution Date(s) March 13, 2009

- Assignment Merger
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4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

12/362,644
(Attorney Docket No. ToS 1100)

Additional numbers attached? Yes No

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

Name: Ari G. Akmal

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6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged to deposit account
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- None required (government interest not affecting title)

8. Payment Information

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Authorized User Name Ari G. Akmal

9. Signature:


Signature

3-20-2009
Date

Ari G. Akmal, Reg. No. 51,388
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ASSIGNMENT

[ATTY DKT NO]
[TOSHIBA DKT NO.]

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:

SEMICONDUCTOR DEVICE

self and assign to KABUSHIKI KAISHA TOSHIBA

a Japanese corporation, having a business address at 1-1-1, Shibaura, 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 United States patent application:

(check one) executed concurrently herewith
 executed on
 Application No. 12/362,644, filed January 30, 2009 ;

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.

Sprinkle IP Law Group, 1301 W. 25th Street, Suite 408, Austin, TX 78705

PATENT
REEL: 024284 FRAME: 0027

ASSIGNMENT

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March 13, 2009

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Date:

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Date: