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To the Director of the U.S. Patents and Trademark Office

Documents or copy thereof.

6.29.07

1. **Name of conveying party(ies):**
1) Yoshio OZAWA 5) Katsuyuki SEKINE
2) Akihito YAMAMOTO 6) Daisuke NISHIDA
3) Masayuki TANAKA 7) Ryota FUJITSUKA
4) Katsuaki NATORI
Additional name(s) of conveying party(ies) attached? Yes No

2. **Name and address of receiving party(ies):**
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3. **Nature of conveyance/Execution Date(s):**
Execution Date(s) 1) April 20, 2007 2) April 23, 2007
3) April 20, 2007 4) April 26, 2007 5) April 20, 2007 6) April 20, 2007
7) April 20, 2007
 Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other

Street Address:

City:

State: Zip Code:

Additional name(s) & Address(es) attached?
 Yes No

4. **Application number(s) or patent number(s):**
A. Patent Application Number(s):
11/783,934
Additional numbers attached? Yes No

This document is being filed together with a new application.
B. Patent Number(s):
 Yes No

5. **Name and address of to whom correspondence concerning document should be mailed:**
Name: Mr. Ernest F. Chapman

6. **Total number of applications and registrations involved:**
1

7. **Total fee (37 CFR 3.41): \$40**
 Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed (Please charge deficiency to deposit account)
 None required (government interest not affecting title)

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

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8. **Payment Information**
a. Credit Card Last 4 Numbers _____ Expiration Date _____
b. Deposit Account No.: 06-09116
Authorized User Name _____

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

June 29, 2007
Date
Total number of pages including cover sheet, attachments and documents: 4

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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

sell and assign to
KABUSHIKI KAISHA TOSHIBA
a Japanese corporation, having a business address at
1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, 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. 11/783,934 , 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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APG043426-USA-A
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REEL: 019531 FRAME: 0977

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RECORDED: 06/29/2007

REEL: 019531 FRAME: 0978