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Attorney Docket No.: 81790.0277

4-29-03

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To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

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Keiji MARUYAMA  
Shigeo OHSHIMA  
Tazuki KAWAGUCHI

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

3. Nature of conveyance:

☒ Assignment

Execution Date: April 16, 2003

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

KABUSHIKI KAISHA TOSHIBA  
1-1, Shibaura 1-chome,  
Minato-ku, Tokyo, Japan

Additional name(s) & 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) 10/370,416

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Anthony J. Orler, Esq.  
HOGAN & HARTSON L.L.P.  
500 South Grand Avenue, Suite 1900  
Los Angeles, CA 90071

6. Total number of applications and patents involved [ 1 ]

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

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I, to the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

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Date: April 24, 2003

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Assistant Commissioner for Patents  
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# 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, KABUSHIKI KAISHA TOSHIBA, 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:

## SYNCHRONOUS SEMICONDUCTOR MEMORY DEVICE HAVING DYNAMIC MEMORY CELLS AND OPERATING METHOD THEREOF

said application having been filed on February 19, 2003  
and assigned Application No. 10/370,416 ;  
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,  
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Hogan & Hartson L.L.P., Biltmore Tower, 500 South Grand Avenue,  
Suite 1900, Los Angeles, California 90071, U. S. A.

# A S S I G N M E N T

02S1332-1

Inventor: (Signature)

Date

Residence

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