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09-06-2001

Attorney Docket No. **011055**

DEPARTMENT OF COMMERCE  
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Commissioner for Patents: Please record the attached original documents or copy thereof.

Submission type: XX New

Conveyance type: XX Assignment

11050 U.S. PTO  
08/29/01



Conveying Party(ies):		Execution Date
First party	Name: <b>SATO, Hajime</b>	August 15, 2001
Second party	Name: <b>SATO, Kotoku</b>	August 15, 2001
Third party	Name: <b>KAWAMOTO, Satoru</b>	August 15, 2001
Fourth party	Name:	
Fifth party	Name:	

09/19/01

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

**Receiving Party (ies):**

First party Name: **FUJITSU LIMITED**  
Address: 1-1, Kamikodanaka 4-chome, Nakahara-ku,  
Kawasaki-shi, Kanagawa 211-8588 Japan

Additional name(s) & address(es) attached? Yes      No XX

**Domestic Representative Name and Address** (Enter for the first Receiving Party only)

**ARMSTRONG, WESTERMAN, HATTORI, McLELAND & NAUGHTON, LLP**  
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PATENT

Correspondent Name and Address

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Pages Enter the total number of pages of the attached conveyance document: 1  
(including any attachments, but not counting cover sheets)

Application Number(s) or Patent Number(s) Additional numbers attached? Yes  No

A. Patent Application No.(s) B. Patent No.(s)  
## ##

If this document is being filed together with a new application, enter the date the application was signed by the first named executing inventor: August 15, 2001  
(Do not recite both application and patent numbers.)

Patent Cooperation Treaty (PCT) PCT \_\_\_\_\_

Enter PCT application number only if PCT \_\_\_\_\_  
a U.S. Application Number has not been assigned PCT \_\_\_\_\_

Number of Properties Enter the total number of properties involved: 1

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41). . . . . \$40.00


Enclosed

Authorized to be charged to Deposit Account No.: 01-2340

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.

William G. Kratz, Jr.  
Name of Person Signing

  
Signature Reg. No. 32,878

August 28, 2001  
Date

22,631  
Registration No.

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

(Insert ASSIGNEE's Name(s) Address(es))

FUJITSU LIMITED
1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of Invention)

SEMICONDUCTOR MEMORY DEVICE HAVING A PLURALITY OF LOW POWER CONSUMPTION MODES

(\*If the assignment is being filed after the filing of the application, this section must be completed)

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

\*filed on \_\_\_\_\_, Serial No. \_\_\_\_\_ (Armstrong, Westerman, Hattori, McLeland & Naughton is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefor on said application or any continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

Handwritten signatures and typed names/dates for Hajime SATO, Kotoku SATO, and Satoru KAWAMOTO.

NO LEGALIZATION REQUIRED