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Atty Docket No.: 216098US2S/sb

FORM PTO-1545
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Name: KABUSHIKI KAISHA TOSHIBA

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Minato-Ku, Tokyo
Japan

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

3. Nature of Conveyance:

- Assignment
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Execution Date: November 7, 2001

Additional name(s) and address(es) attached? Yes No

4. Application number(s) or patent number(s):

09/986895

If this document is being filed together with a new application, the execution date of the application is: November 7, 2001

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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



22850

6. Total applications and patents involved: 1

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

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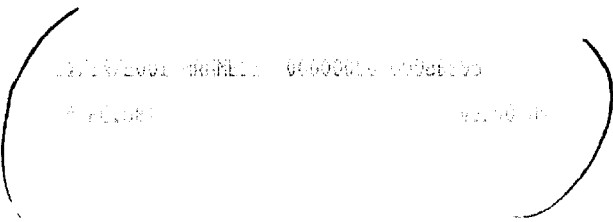
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JC-986 U.S. PTO
09/986895
11/13/01

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:

SEMICONDUCTOR MEMORY DEVICE AND METHOD OF OPERATING THE SAME

said application having been filed on _____
and assigned Application No. _____;

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)

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executed separately herefrom;

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions 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 proceeding, sign all lawful papers, execute all divisional, continuing, 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 in all countries.

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Oblon, Spivak, McClelland, Maier & Neustadt, P. C., Fourth Floor, 1755
Jefferson Davis Highway, Arlington, Virginia 22202

ASSIGNMENT

01S0986

Inventor: (Signature)

Date

Residence

Koji Sakui

NOV. - 7. 2001

Tokyo, Japan

Koji Sakui

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After recording please return to:
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