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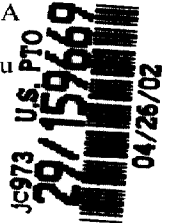
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Additional name(s) of conveying party(ies) attached? Yes No

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

Name: KABUSHIKI KAISHA TOSHIBA

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3. Nature of Conveyance:

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Execution Date: April 12 & 10, 2002

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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: **December 4, 2002**

A. Patent Application No.(s) 29,159669

B. Patent No.(s)

Additional numbers attached? Yes No

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

6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00
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In consideration of value received, we, having 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 DEVICE

sell and assign to

KABUSHIKI KAISHA TOSHIBA, a Japanese corporation, having a place of business at
1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan

its successors, and assigns or nominees, hereinafter referred to as "Assignee", our entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:

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and in and to all applications for patent and patents for invention, in all countries of the world, 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 we 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 we agree that on request and without further consideration, but at the expense of said Assignee, we will communicate to said Assignee or its representatives all facts known to us respecting said invention and testify in any legal proceedings, 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.

We 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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