

10-23-01



101888601

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Akira TAKIBA, Masanori KINUGASA, Yoshimitsu ITOH, and Masaru MIZUTA

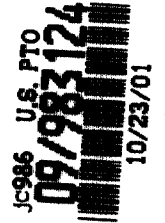
2. Name and address of receiving party(ies):
Name: KABUSHIKI KAISHA TOSHIBA
Address: 1-1 Shibaura 1-chome, Minato-ku, Tokyo, Japan

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

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: October 16, 2001

Additional name(s) and 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: **October 16, 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:

6. Total applications and patents involved: **1**

7. Total fee (37 CFR 3.41): \$40.00
 Enclosed
 Authorized to be charged to deposit account



22850

8. Deposit account number: 15-0030
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. 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.

Marvin J. Spivak

Name of Person Signing

Registration Number: 24,913

C. Irvine McCalland

Signature

Registration Number 21,124

10/23/01

Date

Total number of pages including this cover sheet: 3

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

10/24/2001 SZEWDIE1 00000008 09983124

03 FC:581

40.00 DP

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:

PROTECTION CIRCUIT PROVIDED IN SEMICONDUCTOR CIRCUIT

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)

executed concurrently herewith;

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, contin-
 uations, 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.

I hereby grant the following law firm the power to insert on this Assi-
 gnment 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.

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

ASSIGNMENT

01S1150-1

Inventor: (Signature)	Date	Residence
<u>Akira Takiba</u> Akira Takiba	OCT. 16. 2001	Kawasaki-shi, Japan
<u>Masanori Kinugasa</u> Masanori Kinugasa	OCT. 16. 2001	Yokohama-shi, Japan
<u>Yoshimitsu Itoh</u> Yoshimitsu Itoh	OCT. 16. 2001	Kawasaki-shi, Japan
<u>Masaru Mizuta</u> Masaru Mizuta	OCT. 16. 2001	Kamakura-shi, Japan

RECORDING OFFICER:
 After recording please return to:
 Oblon, Spivak, McClelland,
 Maier & Neustadt, P.C.,
 Fourth Floor,
 1755 Jefferson Davis Highway,
 Arlington, Virginia 22202