

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Takamasa USUI</td><td>12/06/2007</td></tr><tr><td>Hideki SHIBATA</td><td>12/06/2007</td></tr><tr><td>Tadashi MUROFUSHI</td><td>12/11/2007</td></tr><tr><td>Masakazu JIMBO</td><td>12/11/2007</td></tr><tr><td>Hiroshi HIRAYAMA</td><td>12/11/2007</td></tr></tbody></table>	Name	Execution Date	Takamasa USUI	12/06/2007	Hideki SHIBATA	12/06/2007	Tadashi MUROFUSHI	12/11/2007	Masakazu JIMBO	12/11/2007	Hiroshi HIRAYAMA	12/11/2007	
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State/Country:	JAPAN												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11960209</td></tr></tbody></table>	Property Type	Number	Application Number:	11960209									
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Application Number:	11960209												
CORRESPONDENCE DATA													
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PATENT  
REEL: 020272 FRAME: 0425



318827US3

# Assignment of Application

INSERT NAMES  
AND RESIDENCES  
ADDRESS OF  
THE INVENTORS:

WHEREAS, I (WE) Takamasa USUI of Tokyo, Japan

Hideki SHIBATA of Kanagawa-ken, Japan

Tadashi MUROFUSHI of Kanagawa-ken, Japan

Masakazu JIMBO of Kanagawa-ken, Japan

Hiroshi HIRAYAMA of Kanagawa-ken, Japan

, respectively,

INSERT TITLE OF  
INVENTION:

have invented certain new and useful improvements in: SEMICONDUCTOR DEVICE

(Application No. \_\_\_\_\_, filed \_\_\_\_\_), and

INSERT NAME  
AND ADDRESS OF  
COMPANY OR  
OTHER ASSIGNEE

WHEREAS, Kabushiki Kaisha Toshiba

(hereinafter referred to as "ASSIGNEE") having a place of business at: 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

12/04

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: Dec/06/2007

Takamasa Usui  
(Signature of Inventor) Takamasa USUI

Date: Dec/06/2007

Hideki Shibata  
(Signature of Inventor) Hideki SHIBATA

Date: Dec/11/2007

Tadashi Murofushi  
(Signature of Inventor) Tadashi MUROFUSHI

Date: Dec/11/2007

Masakazu Jimbo  
(Signature of Inventor) Masakazu JIMBO

Date: Dec/11/2007

Hiroshi Hirayama  
(Signature of Inventor) Hiroshi HIRAYAMA

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ALEXANDRIA, VIRGINIA 22314

12/04

RECORDED: 12/19/2007

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