

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Kiyotaro ITAGAKI</td><td>09/06/2011</td></tr><tr><td>Masaru KITO</td><td>09/13/2011</td></tr><tr><td>Ryu OGIWARA</td><td>09/10/2011</td></tr><tr><td>Hitoshi IWAI</td><td>09/06/2011</td></tr></tbody></table> | Name | Execution Date | Kiyotaro ITAGAKI | 09/06/2011 | Masaru KITO | 09/13/2011 | Ryu OGIWARA | 09/10/2011 | Hitoshi IWAI | 09/06/2011 | |
| Name | Execution Date | | | | | | | | | | |
| Kiyotaro ITAGAKI | 09/06/2011 | | | | | | | | | | |
| Masaru KITO | 09/13/2011 | | | | | | | | | | |
| Ryu OGIWARA | 09/10/2011 | | | | | | | | | | |
| Hitoshi IWAI | 09/06/2011 | | | | | | | | | | |
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| 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>13235389</td></tr></tbody></table> | Property Type | Number | Application Number: | 13235389 | | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 13235389 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
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| NAME OF SUBMITTER: | Svjetlana Badic | | | | | | | | | | |
| Total Attachments: 2 source=386810USAssignment#page1.tif source=386810USAssignment#page2.tif | | | | | | | | | | | |

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PATENT
REEL: 026927 FRAME: 0207

Assignment of Application

INVENTOR'S
NAME AND ADDRESS
ADDRESS OF
THE INVENTOR

WHEREAS, I (WE) Kiyotaro ITAGAKI of c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-
chome, Minato-ku, Tokyo 105-8001, JAPAN; Masaru KITO of c/o Intellectual Property Division,
Toshiba Corporation, 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, JAPAN; Ryu
OGIWARA of c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,
Minato-ku, Tokyo 105-8001, JAPAN; Hitoshi IWAI of c/o Intellectual Property Division, Toshiba
Corporation, 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, JAPAN

, respectively,

INVENTOR'S
NAME AND ADDRESS
ADDRESS OF
THE INVENTOR

have invented certain new and useful improvements in: NONVOLATILE SEMICONDUCTOR MEMORY DEVICE

(Application No. _____, filed _____), and

INVENTOR'S
NAME AND ADDRESS
ADDRESS OF
THE INVENTOR

WHEREAS, KABUSHIKI KAISHA TOSHIBA

(hereinafter referred to as "ASSIGNEE") having a place of business at: 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-
8001, 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.

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|--|---|
| Date: <u>Sept 6, 2011</u> | <u>Kiyotaro Itagaki</u> (Signature of Inventor) Kiyotaro ITAGAKI |
| Date: <u>Sept 13, 2011</u> | <u>Masaru Kito</u> (Signature of Inventor) Masaru KITO |
| Date: _____ | <u>Ryu Ogiwara</u> <u>Sept. 10, 2011</u> (Signature of Inventor) Ryu OGIWARA |
| Date: <u>Sept 6, 2011</u> | <u>Hitoshi Iwai</u> (Signature of Inventor) Hitoshi IWAI |
| Date: <u>Sept 6, 2011</u> <u>H.I. Sept 6, 2011</u> | _____ (Signature of Inventor) |
| Date: _____ | _____ (Signature of Inventor) |

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