

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Takao MARUKAME</td> <td>02/15/2010</td> </tr> <tr> <td>Mizue ISHIKAWA</td> <td>02/15/2010</td> </tr> <tr> <td>Tomoaki INOKUCHI</td> <td>02/15/2010</td> </tr> <tr> <td>Hideyuki SUGIYAMA</td> <td>02/15/2010</td> </tr> <tr> <td>Yoshiaki SAITO</td> <td>02/15/2010</td> </tr> </tbody> </table>		Name	Execution Date	Takao MARUKAME	02/15/2010	Mizue ISHIKAWA	02/15/2010	Tomoaki INOKUCHI	02/15/2010	Hideyuki SUGIYAMA	02/15/2010	Yoshiaki SAITO	02/15/2010
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>KABUSHIKI KAISHA TOSHIBA</td> </tr> <tr> <td>Street Address:</td> <td>1-1, Shibaura 1-chome, Minato-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>105-8001</td> </tr> </table>		Name:	KABUSHIKI KAISHA TOSHIBA	Street Address:	1-1, Shibaura 1-chome, Minato-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	105-8001		
Name:	KABUSHIKI KAISHA TOSHIBA												
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CORRESPONDENCE DATA													
Fax Number: (703)413-2220 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: (703) 413-3000 Email: vbojanic@oblon.com Correspondent Name: Oblon, Spivak, et al. Address Line 1: 1940 Duke Street Address Line 4: Alexandria, VIRGINIA 22314													
ATTORNEY DOCKET NUMBER:	354736US2SRD												
NAME OF SUBMITTER:	Vesna Bojanic												

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PATENT
REEL: 024190 FRAME: 0093

Total Attachments: 2

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ASSIGNMENT

13G050781-USA-A
(09S1088)

In consideration of value received, I, having a residence as stated below above 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:

SPIN TRANSISTOR AND METHOD OF MANUFACTURING THE SAME

have sold and assigned and do hereby sell and assign to
KABUSHIKI KAISHA TOSHIBA
a Japanese corporation, having a business address at
1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, 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 United States patent application:

(check one) ☒ executed concurrently herewith
☐ executed on _____ ;
☒ Application No. 12/700,767 , filed February 5, 2010 ;

and in and to all applications for patent and patents for invention 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 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 proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, 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.

I 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.

Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P., 1940 Duke Street Alexandria, VA 22314

A S S I G N M E N T

13G050781-USA-A
(09S1088)

[1st Inventor]

Residence Address: Fuchu-shi, Japan

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,
Minato-ku, Tokyo 105-8001, Japan

Citizenship: Japan

Takao Marukame

Takao Marukame

February 15, 2010

Date:

[2nd Inventor]

Residence Address: Yokohama-shi, Japan

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,
Minato-ku, Tokyo 105-8001, Japan

Citizenship: Japan

Mizue Ishikawa

Mizue Ishikawa

February 15, 2010

Date:

[3rd Inventor]

Residence Address: Kawasaki-shi, Japan

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,
Minato-ku, Tokyo 105-8001, Japan

Citizenship: Japan

Tomoaki Inokuchi

Tomoaki Inokuchi

February 15, 2010

Date:

[4th Inventor]

Residence Address: Kawasaki-shi, Japan

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,
Minato-ku, Tokyo 105-8001, Japan

Citizenship: Japan

Hideyuki Sugiyama

Hideyuki Sugiyama

February 15, 2010

Date:

[5th Inventor]

Residence Address: Kawasaki-shi, Japan

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,
Minato-ku, Tokyo 105-8001, Japan

Citizenship: Japan

Yoshiaki Saito

Yoshiaki Saito

February 15, 2010

Date:

PATENT

RECORDED: 04/06/2010

REEL: 024190 FRAME: 0096