

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Yoshiaki HASEGAWA</td> <td>04/24/2012</td> </tr> <tr> <td>Makoto SATO</td> <td>05/10/2012</td> </tr> <tr> <td>Akihiro SUYAMA</td> <td>05/11/2012</td> </tr> </tbody> </table>		Name	Execution Date	Yoshiaki HASEGAWA	04/24/2012	Makoto SATO	05/10/2012	Akihiro SUYAMA	05/11/2012
Name	Execution Date								
Yoshiaki HASEGAWA	04/24/2012								
Makoto SATO	05/10/2012								
Akihiro SUYAMA	05/11/2012								
RECEIVING PARTY DATA									
Name:	KABUSHIKI KAISHA TOSHIBA								
Street Address:	1-1, Shibaura 1-chome, Minato-ku								
City:	Tokyo								
State/Country:	JAPAN								
Postal Code:	105-8001								
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>13594340</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13594340				
Property Type	Number								
Application Number:	13594340								
CORRESPONDENCE DATA									
Fax Number:	7034132220								
Phone:	7034133000								
Email:	sjones@oblon.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	OBLON, SPIVAK LLP								
Address Line 1:	1940 DUKE STREET								
Address Line 4:	ALEXANDRIA, VIRGINIA 22314								
ATTORNEY DOCKET NUMBER:	403710US2S CONT								
NAME OF SUBMITTER:	Shanele Jones								
Total Attachments: 2 source=403710USassn#page1.tif source=403710USassn#page2.tif									

OP \$40.00 13594340

ASSIGNMENT

PVG053147-USA-A
(10S0599P1)

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:

FAULT DETECTION APPARATUS AND FAULT DETECTION METHOD

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. 13/594,340 , filed August 24, 2012 ;

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

ASSIGNMENT

PVG053147-USA-A
(10S0599P1)

[1st Inventor]

Residence Address: Chofu-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 Hasegawa

Yoshiaki Hasegawa

Apr. 24. 2012

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

Makoto Sato

Makoto Sato

May. 10. 2012

Date:

[3rd Inventor]

Residence Address: Tokyo, Japan

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

Citizenship: Japan

Akihiro Suyama

Akihiro Suyama

May 11. 2012

Date: