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PATENT ASSIGNMENT COVER SHEET

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CONVEYING PARTY DATA			
Name		Execution Date	
NAOKI YASUDA			08/07/2013
MASARU KITO			08/07/2013
RECEIVING PARTY DATA			
Name: KABU	SHIKI KAISH		
	1-1, Shibaura 1-chome, Minato-Ku		
City: Tokyo			
State/Country: Japan			
	105-8001		
Property Type Application Number:	1395	Num	
Application Number:	1395	1942	
CORRESPONDENCE DATA			
Fax Number:	(703)413-2		
Phone: (703) 413-3000 Email: bpalmer@oblon.com			
	-	en the email attempt is unsuccessful.	
Correspondent Name:		SPIVAK, ET AL.	
Address Line 1:		E STREET	
Address Line 4:	ALEXANL	PRIA, VIRGINIA 22314	
ATTORNEY DOCKET NUMBER:		419647US20	
NAME OF SUBMITTER:			
NAME OF SUBMITTER:		BRIAN PALMER	
NAME OF SUBMITTER: Signature:		/Brian Palmer/	

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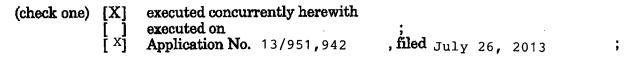
ASSIGNMENT

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:

NONVOLATILE SEMICONDUCTOR MEMORY DEVICE

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:



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

ACG065120-USA-A (13S0205)

ASSIGNMENT

[1st Inventor]

Residence Address: Yokkaichi-shi, Japan

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,

Minato-ku, Tokyo 105-8001, Japan

Citizenship: Japan

Aug. 7, 2013 Naoki Yasuda

[2nd Inventor]

Residence Address: Kuwana-shi, Japan

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,

Minato-ku, Tokyo 105-8001, Japan

Citizenship: Japan

Masaru Kito

1048009051

PATENT REEL: 031530 FRAME: 0203