PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Taku NISHIYAMA	09/22/2008
Tetsuya YAMAMOTO	09/22/2008
Kiyokazu OKADA	09/22/2008

RECEIVING PARTY DATA

Name:	KABUSHIKI KAISHA TOSHIBA	
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12238983

CORRESPONDENCE DATA

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Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

(703) 413-3000 Phone: Email: aassefa@oblon.com Correspondent Name: Oblon, Spivak, et al. Address Line 1: 1940 Duke Street

Address Line 4: Alexandria, VIRGINIA 22314

332433US2 ATTORNEY DOCKET NUMBER:

NAME OF SUBMITTER: Aynalem Assefa

Total Attachments: 2

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Assignment of Application

AMED	WHEREAS, I (WE) 1) Taku NISH	IIYAMA, 2) Tetsuya YAMAMOTO, and 3) Kiyoka	ZII CAADA UI.
uziane t. or ^z	1) Yokohama-	-shi, Kanagawa-ken, Japan,	
ENTUMB.	2) Yokohama	-shi, Kanagawa-ken, Japan, and	
•		and the second s	
			A
			, respectively
•			
OP	MEMORY DEVICE	ful improvements in: SEMICONDUCTOR DEVICE	
	(Application No.	, filed), and
		KAISHA TOSHIBA	
S OF	NOUT Inpan is desirous of acquirit	GNEE") having a place of business at: 1-1, Shibaura ng the entire right, title and interest in and to said in	vention and in and to any Letters
	Patent that may be granted there countries;	efore in the United States and its territorial posses	estons and in any and an foreign

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.

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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 entorce 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.	September 22, 2008	Jaku Nishirjama (Signature or Inventor) Taku NISHIYAMA
Date:	September 22, 2008	(Signature of Inventor) Telsuya YAMAMOTO
Date-	September 22, 2008	(Signature of Inventor) Kiyokazu OKADA
Date:		(Signature of Inventor)
Date:		(Signature of Inventor)
Date:		(Signature of Inventor)

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RECORDED: 12/04/2008

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