PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hajime Shibata	10/22/2009
Hitoshi Tampo	10/22/2009
Koji Matsubara	10/22/2009
Akimasa Yamada	10/22/2009
Keiichiro Sakurai	10/22/2009
Shogo Ishizuka	10/22/2009
Shigeru Niki	11/02/2009

RECEIVING PARTY DATA

Name:	National Institute of Advanced Industrial Science and Technology	
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12601248

CORRESPONDENCE DATA

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PATENT

REEL: 023698 FRAME: 0821

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ATTORNEY DOCKET NUMBER:	25992-0002US1
NAME OF SUBMITTER:	Kelly M. Smith
Total Attachments: 2 source=25992-0002US1Assignment#page1.tif source=25992-0002US1Assignment#page2.tif	

PATENT REEL: 023698 FRAME: 0822

Attorney's Do	cket No.:	
Altorney S DC	ocket no	

Assignment of Application

WHEREAS, I (WE)				
Hajime SHIBATA, Hitoshi TAMPO, Koji MATSUBARA, Akimasa YAMADA, Keiichiro SAKURAI, Shogo ISHIZUKA and Shigeru NIKI of all				
Umezono 1-chome, Tsukuba-shi, Ibaraki 305-8568 Japan , respectively,				
have invented certain new and useful improvements in:				
SEMICONDUCTOR DEVICE				
for which an application for Letters Patent was executed on				
(Application No. PCT/JP2008/058781 , filed May 13, 2008), and				
WHEREAS,				
National Institute of Advanced Industrial Science and Technology				
(hereinafter referred to as "ASSIGNEE")having a place of business at:				
3-1, Kasumigaseki 1-chome, Chiyoda-ku, Tokyo 100-8921 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 therefore 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 official of 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.

PATENT REEL: 023698 FRAME: 0823 Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its legal representatives and assigns covenant and 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 **Fish & Richardson P.C.** of 12390 El Camino Real, San Diego, CA 92130 U.S.A. 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:	Oct. 22. 2009	Hajime Shibata
		(Signature of inventor) Hajime SHIBATA
Date:_	Oct. 22, 2009	Hitoshi Jampo
		(Signature of inventor) Hitoshi TAMPO
Date:_	Oct. 22.2009	(Signature of inventor) Koji MATSUBARA
		(Signature of inventor) Koji MATSUBARA
Date:_	oct. 22. 2009	Alsinasa Yumada
		(Signature of inventor) Akimasa YAMADA
Date:_	Oct-22-2009	Kedichiro Sabaras
	•	(Signature of inventor) Keiichiro SAKURAI
Date:_	OCT. 22, 2069	Shogo Ishizuka
		(Signature of inventor) Shogo ISHIZUKA
Date:	Nov. 2, 2009	A.M.
-		(Signature of inventor) Shigeru NIKI

RECORDED: 12/23/2009

PATENT REEL: 023698 FRAME: 0824