

08-02-2000

R SHEET

Docket No. 0756-2132

101421118

To the Honorable Commissioner of Patent and Trademarks. Please record the attached original documents or copy thereof.

•	Name of conveying party(ies): Ak	aharu MIYANAGA, Toru MI	<u>TSUKI</u>	
dd	litional name(s) of conveying party(	ies) attached?Yes X No		
•	Name and address of receiving pa	rty(ies):		
tre	ne: <u>SEMICONDUCTOR ENERG</u> et Address: <u>398 Hase, Atsugi-shi</u>			,
ity	Kanagawa-ken	Country: JAPAN	ZIP <u>243-0036</u>	
dc	litional name(s) & addresses(es) atta	ached? Yes No X		
•	Name of Conveyance:  X Assignment Security Agreement Other			
	Execution Date: June 29, and Ju	me 28, 2000		
•	Application number(s) or patent n		e execution date of the annie	cation is:
îtl	If this document is being filed tog e:	etner with a new application, in	e execution date of the applic	ation is.
	A: Patent Application No.(s) 09/534,152	B. Paten	•	
		Additional numbers attached	ed? Yes <u>X:</u> No	
i.	Name and address of party to who			
	Name: Jeffrey L. Costellia, NIX			
	Street Address: 8180 Greensboro City: McLean	State: Virginia	ZIP 22102	
í,	Total number of applications and			
'.	Total fee (37 CFR 3.41):	\$40.00		
	X Enclosed Authorized to be charge	ed to deposit account		
3.	Deposit Account Number:(At	ttach duplicate copy of this page	e if paying by deposit account	:)
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9.	Statement and signature.			9953415
ori	To the best of my knowledge and ginal document.	belief, the foregoing informatio	n is true and correct and any	
Jei	frey L. Costellia	Signature	July 6, 20 Date	000 25 13 15 15 15 15 15 15 15 15 15 15 15 15 15
ına	me of Person Signing  Total numb	per of pages comprising cover sh		ent: <u>3</u>

**REEL: 010953 FRAME: 0936** 

## NIXON PEABODY LLP

United States Patent Rights

Attorney Docket No. 0756-2132

## ASSIGNMENT

Serial No. 09/534,152

Filed March 24, 2000

WHEREAS, Akiharu MIYANAGA and Toru MITSUKL (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF for which an application for Letters Patent of the United States of America has been executed by the undersigned on \_\_\_\_\_\_, and;

WHEREAS, <u>Semiconductor Energy Laboratory Co., Ltd.</u> of <u>398</u>, <u>Hase</u>, <u>Atsugi-shi</u>, <u>Kanagawa-ken 243-0036 Japan</u> its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America and its territories and for all foreign countries, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuation, division or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims under or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

PATENT REEL: 010953 FRAME: 0937 The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby convenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm Nixon Peabody LLP 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.

In witness thereof, this Assignment has been executed by the undersigned on the date(s) opposite the undersigned name(s).

Date_ 26 /29 /	Name of Inventor Akihar	wihan (hiyangg	a(SEAL)				
Date 06/28/20	Name of Inventor Toru N	oru Mitsuki MTSUKI	- (SEAL)				
Date	, Name of Inventor ——		-(SEAL)				
Date	_, Name of Inventor		-(SEAL)				
(This assignment should preferably be acknowledged before a United States Consul or Notary Public. If not, then the execution by the Inventor(s) should be witnessed by at least two other persons who should sign here.)							
Witness (na	ame)	(signature)					
Witness (n.	ame)	(signature)					
Witness (n.	ame)	(signature)					

**RECORDED: 07/11/2000** 

PATENT REEL: 010953 FRAME: 0938