

Docket No. 0756-1780

100744797

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

1.	Name of conveying party(ies): Yoshiharu HIRAKATA							
Add	Additional name(s) of conveying party(ies) attached? _ Yes _X No							
2.	Name and address of receiving party(ies):							
City	ne: Semiconductor Energy Laboratory Co., Ltd. eet Address: 398, Hase, Atsugi-shi							
 3. 4. 	Name of Conveyance: X Assignment Merger Security Agreement Change of Name Other Execution Date: May 27, 1998 Application number(s) or patent number(s): 09/046,691							
	If this document is being filed together with a new application, the execution date of the application is: May 27, 1998 Title: LIQUID CRYSTAL DISPLAY DEVICE AND METHOD OF FABRICATING THE SAME							
	A: Patent Application No. B. Patent No.(s)							
	Additional numbers attached? Yes _X_ No							
5.	Name and address of party to whom correspondence concerning document should be mailed:							
	Name: Sixbey, Friedman, Leedom & Ferguson, P.C. Street Address: 2010 Corporate Ridge, Suite 600 City: McLean State: Virginia ZIP: 22102							
6.	Total number of applications and patents involved:1							
7.	Total fee (37 CFR 3.41):\$40.00							
	 X Enclosed Authorized to be charged to deposit account X Authorized to charge any deficiency in the payment of the required fee(s) or credit any overpayment to Deposit Account No. 19-2380. 							
8.	Deposit Account Number: 19-2380							
	(Attach duplicate copy of this page if paying by deposit account)							
	998 JWATKINS 00000063 09046691 DO NOT USE THIS SPACE							
FC:5 9.	Statement and signature.							
	To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original documen							
	ald J. Ferguson, Jr. ne of Person Signing Signature Signature Signature Signature Signature							

PATENT

REEL: 9251 FRAME: 0001

SIXBEY, FRIEDMAN, LEEDOM & FERGUSON, P.C. United States Patent Rights

ATTORNEY DOCKET NO.		
0756-1780		

ASSIGNMENT

	Serial No. 09/046,691 Filed March 24, 1998
	WHEREAS, Yoshiharu HIRAKATA
insert Name(s) of Inventor(s)	
Insert Title of Invention	(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in LIQUID CRYSTAL DISPLAY DEVICE AND METHOD OF
	FABRICATING THE SAME
Insert Date of Signing of Application	for which an application for Letters Patent of the United States of America has been executed by the undersigned on
i ippiloution	WHEREAS, Semiconductor Energy Laboratory Co., Ltd.
Insert Name of Assignee	
Insert Address of Assignee	of 398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan
	its heirs, successors, legal representatives and assigns (hercinafter 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, 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.

PATENT REEL: 9251 FRAME: 0002

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 v hich 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.

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 Assignce and to vest all rights therein hereby conveyed to said Assignce 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 of Sixbey, Friedman, Leedom & Ferguson, P.C. 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 whereof, this Assignment has been executed by the undersigned on the date(s) opposite the undersigned name(s).

Date <u>May 27, 1</u>	998 , Name of Inventor Yoshiharu HIRAK		(SEAL)
Date	, Name of Inventor	(signature)	(SEAL)
Date	, Name of Inventor	(signature)	(SEAL)
Date	, Name of Inventor	(signature)	(SEAL
Date	, Name of Inventor	(signature)	(SEAL)
	eferably be acknowledged before a United Stritnessed by at least two other persons who sh		then the execution
Witness	(name)	(signatu	re)
Witness	(name)	(signatu	re)
Witness			

PATENIGHTURE)

RECORDED: 06/11/1998 REEL: 9251 FRAME: 0003

(name)