

10-12-2005

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office  
Docket No. 740756-2882



103097653

To the Honorable Commissioner of

original documents or copy thereof.

1. Name of conveying parties:

- (1) Misako HIROSUE
- (2) Masahiro KATAYAMA
- (3) Shunpei YAMAZAKI

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Other

Execution Date(s):

1<sup>st</sup> Inventor: September 22, 2005

2<sup>nd</sup> Inventor: September 22, 2005

3<sup>rd</sup> Inventor: September 23, 2005

2. Name and address of receiving party:

Name: Semiconductor Energy Laboratory Co., Ltd.

Street Address: 398, Hase,

City: Atsugi-shi State: Kanagawa-ken Zip: \_\_\_\_\_

Country: Japan Postal Code: 243-0036

Additional name(s) & address(es) attached? ☐ Yes ☒ No

112959 U.S. PTO  
11/240568

4. Application number(s) or patent number(s);

If this document is being filed together with a new application, the filing date of the application is: October 3, 2005

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Attorney Name: Jeffrey L. Costellia

Firm Name: Nixon Peabody LLP

Internal Address: Suite 900

Street Address: 401 Ninth Street, N.W.

City: Washington State: D.C. Zip: 20004

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$40.00

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number:

19-2380 (740756-2882)

(Attach duplicate copy of this page if paying by deposit account)

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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 document.*

Jeffrey L. Costellia  
Name of Person Signing

[Signature]  
Signature

October 3, 2005  
Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:  
Mail Stop Assignment Recordation Services, Director of the US Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450

10/11/2005 DBYRNE 00000153 192380 11240568  
01 FC:8021 40.00 BA

NIXON PEABODY LLP  
United States Patent Rights

Attorney Docket No. \_\_\_\_\_

ASSIGNMENT

Serial No. \_\_\_\_\_

Filed \_\_\_\_\_

WHEREAS, Misako HIROSUE, Masahiro KATAYAMA and Shunpei YAMAZAKI  
(hereinafter designated as the undersigned) has (have) invented certain new and useful  
improvements in DISPLAY DEVICE for which an application for Letters Patent of the United  
States of America has been executed by the undersigned on \_\_\_\_\_ and;

WHEREAS, Semiconductor Energy Laboratory Co., Ltd. of 398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan and 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.

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 covenants 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 09/22/2005, Name of Inventor Misako Hirotsue (SEAL)  
Misako HIROSUE

Date 09/22/2005, Name of Inventor Masahiro Katayama (SEAL)  
Masahiro KATAYAMA

Date 09/23/2005, Name of Inventor Shunpei Yamazaki (SEAL)  
Shunpei YAMAZAKI

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	(name)	(signature)
Witness	(name)	(signature)
Witness	(name)	(signature)