# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2659672

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

# **CONVEYING PARTY DATA**

Name	Execution Date
JUNICHI KOEZUKA	11/08/2013
YUKINORI SHIMA	11/07/2013
YASUHARU HOSAKA	11/07/2013
KENICHI OKAZAKI	11/07/2013
TAKUYA MATSUO	11/19/2013
SHIGEYASU MORI	11/19/2013
YOSUKE KANZAKI	11/19/2013
HIROSHI MATSUKIZONO	11/19/2013

### **RECEIVING PARTY DATA**

Name:	Semiconductor Energy Laboratory Co., Ltd.
Street Address:	398, Hase
City:	Atsugi-shi, Kanagawa-ken
State/Country:	JAPAN
Postal Code:	243-0036

Name:	Sharp Kabushiki Kaisha
Street Address:	22-22, Nagaike-cho, Abeno-ku
City:	Osaka-shi, Osaka
State/Country:	JAPAN
Postal Code:	545-8522

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14062085

## CORRESPONDENCE DATA

**Fax Number**: (703)766-2394

REEL: 031844 FRAME: 0381

PATENT

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Correspondent Name: ERIC J. ROBINSON

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ATTORNEY DOCKET NUMBER:	0756-10282
NAME OF SUBMITTER:	ERIC J. ROBINSON
Signature:	/EJR/
Date:	12/24/2013

Total Attachments: 6

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#### ASSIGNMENT

Serial No. <u>14/062,085</u>

Filed October 24, 2013

WHEREAS, Junichi KOEZUKA, Yukinori SHIMA, Yasuharu HOSAKA, Kenichi OKAZAKI, Takuya MATSUO, Shigeyasu MORI, Yosuke KANZAKI and Hiroshi MATSUKIZONO

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in <u>DISPLAY DEVICE AND ELECTRONIC DEVICE</u> 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 Sharp Kabushiki Kaisha of 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 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.

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 ROBINSON INTELLECTUAL PROPERTY LAW OFFICE 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 11/08/2013	Signature Junichi KOEZUKA
	Name Junichi KOEZUKA
Date <u>// / 07/201</u> 3	Signature Yukinori SHIMA
Date 11 /07 /2013	Signature Yasuharu HOSAKA  Name Yasuharu HOSAKA
Date $11/07/20/3$	Signature Kenichi OKAZAKI Name Kenichi OKAZAKI
Date	SignatureName Takuya MATSUO
Date	SignatureName Shigeyasu MORI
Date	SignatureName Yosuke KANZAKI
Date	Signature Name Hiroshi MATSUKIZONO

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 has (have)
invented certain new and useful improvements in by at least two other persons who should
sign here.

Witness	Signature
Witness	Signature
Witness	Signature

#### **ASSIGNMENT**

Serial No. 14/062,085

Filed October 24, 2013

WHEREAS, Junichi KOEZUKA, Yukinori SHIMA, Yasuharu HOSAKA, Kenichi OKAZAKI, Takuya MATSUO, Shigeyasu MORI, Yosuke KANZAKI and Hiroshi MATSUKIZONO

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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.

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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.

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

Date	Signature
	Name Junichi KOEZUKA
Date	Signature
	Name Yukinori SHIMA
Date	Signature
	Name Yasuharu HOSAKA
Date	Signature
Datc	Name Kenichi OKAZAKI
Date 11/19/2013	Signature Takuya Matsud Name Takuya MATSUO
Date 1//1/2016	Name Takuva MATSUO
	Tunde Tundya Miritoco
Date 11/19/2013	Signature Shipyam Mori
Date · // /////	Name Shigeyasu MORI
11/10/2013	Signature Shigepusa Moi S.M.
= +1/19/1017	Shirean Mais SM
Date TITTON S.M.	Signature // // // // // North Vanisa
	Name Yosuke KANZAKI
- 110/2013	Hiand! matsuhing
Date 11/19/2013	Signature Hiroshi MATSUKIZONO

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 has (have) invented certain new and useful improvements in by at least two other persons who should sign here.

Witness	Signature	Signature	
Witness	Signature	·	
Witness	Signature		

PATENT REEL: 031844 FRAME: 0388

**RECORDED: 12/24/2013**