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RECORDATION FORM COVER  
PATENTS ONLY

103540422

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

Masahiro Hasegawa

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s): October 21, 2008

- ☒ Assignment ☐ Merger ☐ Change of Name  
☐ Security Agreement ☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other

2. Name and address of receiving party(ies)

Name: Sharp Kabushiki Kaisha

Internal Address:

Street Address:

22-22 Nagaike-cho  
Abeno-ku, Osaka-shi  
Osaka  
545-8522  
JAPAN

City:

State:

Country:

Zip:

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

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

This application

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: George W. Neuner  
EDWARDS ANGELL PALMER & DODGE  
LLP

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6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 04-1105

Authorized User Name George W. Neuner

9. Signature:

Signature

December 9, 2008

Date

George W. Neuner - 26,964

Name of Person Signing

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

4

12/18/2008 DBYRNE 00000027 041105 12316057  
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PATENT  
REEL: 022028 FRAME: 0510

## ASSIGNMENT BY INVENTOR

**THIS ASSIGNMENT**, made this 2/ day of October, 2008,  
by HASEGAWA Masahiro (hereinafter referred to as Assignor), residing at 2-16-5,  
Makuyamada, Fukuyama-shi, Hiroshima 721-0913, JAPAN;

**WHEREAS**, Assignor has invented certain new and useful improvements in  
ELECTRONIC ELEMENT WAFER MODULE, ELECTRONIC ELEMENT MODULE,  
SENSOR WAFER MODULE, SENSOR MODULE, LENS ARRAY PLATE,  
MANUFACTURING METHOD FOR THE SENSOR MODULE, AND ELECTRONIC  
INFORMATION DEVICE, set forth in a Patent application for Letters Patent of the  
United States, claiming foreign priority to Japanese Patent Application Nos. 2007-  
322626 and 2007-322627, both filed with the Japanese Patent Office on December 13,  
2007; and

**WHEREAS**, Sharp Kabushiki Kaisha, a corporation organized under and  
pursuant to the laws of Japan having its principal place of business at 22-22, Nagaike-  
cho, Abeno-Ku, Osaka-Shi, Osaka, 545-8522, JAPAN (hereinafter referred to as  
Assignee), is desirous of acquiring the entire right, title and interest in and to said  
inventions and said Application for Letters Patent of the United States, and in and to  
any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good  
and sufficient consideration, the receipt of which is hereby acknowledged, Assignor  
has sold, assigned, transferred and set over, and by these presents does sell, assign,  
transfer and set over, unto Assignee, its successors, legal representatives and assigns,  
the entire right, title and interest in and to the above-mentioned inventions and  
application for Letters Patent, and in and to any and all direct and indirect divisions,  
continuations and continuations-in-part of said application, and any and all Letters  
Patent in the United States and all foreign countries which may be granted therefore  
and thereon, and reissues, reexaminations and extensions of said Letters Patent, and  
all rights under the International Convention for the Protection of Industrial Property,  
the same to be held and enjoyed by Assignee, for its own use and benefit and the use

and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

**AND** for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

**AND** Assignor hereby grants the following individuals 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 United States Patent and Trademark Office for recordation of this document:

EDWARDS ANGELL PALMER & DODGE LLP

All practitioners at Customer Number 21874

**AND** Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

Date

October 21, 2008

Masahiro Hasegawa  
HASEGAWA Masahiro