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U. S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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

1. Name of conveying party(ies):

Masashi Maekawa and Yukihiro Nakata

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

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: July 7, 1998 and July 16, 1998

2. Name and address of receiving party(ies):

Name: Sharp Microelectronics Technology, Inc.

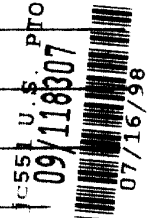
Address: 5700 NW Pacific Rim Boulevard

Camas, WA 98607

Name:

Address:

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



4. Application number(s) or patent numbers(s):

SMT 318

A. Patent Application No.:

B. Patent No.(s):

Title: Single Crystal TFT From Continuous Transition Metal Delivery Method

Inventors: Masashi Maekawa and Yukihiro Nakata

Filed Date: July 16, 1998

Additional numbers attached? Yes ☒ No

If this document is being filed together with a new application, the execution date of the application is July 16, 1998

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

Name: Gerald Maliszewski, Patent Attorney

Address: Sharp Microelectronics Technology, Inc.

5700 NW Pacific Rim Boulevard

Camas, WA 98607

Telephone: 360-834-8567

6. Total Number of applications and patents involved: 1 X \$40.00

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

☒ X

Check Enclosed

8. Fee Authorization. Authorization is given to charge any fees or credit any overpayment to Deposit Account No. 19-1457.

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.

Gerald Maliszewski, Esq.

Attorney (Reg. No.: 38,054)

Signature

July 16, 1998

Date

10. Total number of pages to be recorded 5 (1 page cover sheet and 4 page document).

## ASSIGNMENT

WHEREAS, the undersigned, Masashi Maekawa, a resident of Tenri, Japan and Yukihiko Nakata, a resident of Vancouver, Wa, (hereinafter termed "Inventors") have invented certain new and useful improvements in:

### SINGLE CRYSTAL TFT FROM CONTINUOUS TRANSITION METAL DELIVERY METHOD

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention:

☒

On the 7th day of July, 1998 (Masashi Maekawa)  
and on the 16th day of July, 1998 (Yukihiko Nakata).

Or

☐

Said application having been previously filed and assigned  
Serial Number \_\_\_\_\_, and filing date \_\_\_\_\_.

WHEREAS Sharp Microelectronics Technology, Inc. (hereinafter termed "Assignee"), a corporation of the State of Washington, having a place of business at 5700 NW Pacific Rim Boulevard, Camas, State of Washington, wishes to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter termed "patents") applied for or granted in the United States and/or other countries.

NOW THEREFORE, for good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply in any and all countries of the world for patents, certificates of inventions or other governmental grants on said invention, including the right to apply for patents pursuant to the

International Convention for the Protection of Industrial Property or pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

2. Said Inventors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and other countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting applications for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, said Inventor's heirs, legal representatives and assigns.

4. Said Inventors hereby warrant and represent that said Inventors have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

5. This Assignment may be executed in multiple counterparts by the undersigned Inventors.

IN WITNESS WHEREOF, the said Inventors have executed and delivered this instrument to said Assignee on the date of acknowledgment before the Notary Public or Witnesses as given below.

7/7/98  
(Date of Signature)

(1) Masashi Maekawa  
(Masashi Maekawa Signature)

(A) JUNKOU TAKAGI  
(Name of Witness Printed)  
31-9, Tokiwa-cho, Kashiwara  
Nara 634-0003, JAPAN  
(Address of Witness)

(B) Toshiaki Miyajima  
(Name of Witness Printed)  
6-1-1 Tatuta-cho, Ihara-cho,  
Isumiyun-Nara 634-154 JAPAN  
(Address of Witness)

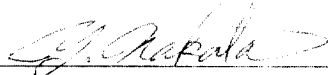
Junkou Takagi  
(Signature or Mark of Witness)

Toshiaki Miyajima  
(Signature or Mark of Witness)

7/7/98  
(Date Witnessed)

7/7/98  
(Date Witnessed)

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(2)   
(Inventor's Signature)

State of Washington )

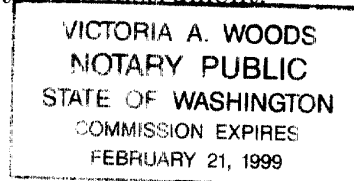
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County of Clark )

On July 16, 1998, before me, Victoria A. Woods, personally appeared Yukihiro Nakata, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature 



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