

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

|  |                                 |
|--|---------------------------------|
| SUBMISSION TYPE:   | NEW ASSIGNMENT                  |
| NATURE OF CONVEYANCE:  | ASSIGNMENT                      |
| CONVEYING PARTY DATA   |                                 |
| Name   | Execution Date                  |
| Micron Technology, Inc.  | 09/26/2008                      |
| RECEIVING PARTY DATA   |                                 |
| Name:  | Aptina Imaging Corporation      |
| Street Address:  | Walker House, 87 Mary Street    |
| City:  | George Town, Grand Cayman       |
| State/Country:   | CAYMAN ISLANDS                  |
| Postal Code:   | KY1-9002                        |
| PROPERTY NUMBERS Total: 1  |                                 |
| Property Type  | Number                          |
| Patent Number:   | 7230561                         |
| CORRESPONDENCE DATA  |                                 |
| Fax Number:  | (415)837-0651                   |
| Email:   | tishihara@trezlawgroup.com      |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>  |                                 |
| Correspondent Name:  | Tiffany Ishihara                |
| Address Line 1:  | 870 Market Street               |
| Address Line 2:  | Suite 984                       |
| Address Line 4:  | San Francisco, CALIFORNIA 94102 |
| ATTORNEY DOCKET NUMBER:  | 2004-0769.00/US                 |
| NAME OF SUBMITTER:   | Tiffany Ishihara                |
| <p>Total Attachments: 11<br/>         source=2004-0769.00-US_MicronAptinaAssignment#page1.tif<br/>         source=2004-0769.00-US_MicronAptinaAssignment#page2.tif<br/>         source=2004-0769.00-US_MicronAptinaAssignment#page3.tif<br/>         source=2004-0769.00-US_MicronAptinaAssignment#page4.tif</p> |                                 |

OP \$40.00 7230561

source=2004-0769.00-US\_MicronAptinaAssignment#page5.tif  
source=2004-0769.00-US\_MicronAptinaAssignment#page6.tif  
source=2004-0769.00-US\_MicronAptinaAssignment#page7.tif  
source=2004-0769.00-US\_MicronAptinaAssignment#page8.tif  
source=2004-0769.00-US\_MicronAptinaAssignment#page9.tif  
source=2004-0769.00-US\_MicronAptinaAssignment#page10.tif  
source=2004-0769.00-US\_MicronAptinaAssignment#page11.tif

**PATENT ASSIGNMENT AGREEMENT**

**1. Definitions**

(a) "Agreement" shall mean this Patent Assignment Agreement.

(b) "Assignee" shall mean **Aptina Imaging Corporation**, a Cayman Islands corporation with offices at c/o Citco Trustees (Cayman) Limited, Regatta Office Park, West Bay Road, Grand Cayman, Y1-1205, Cayman Islands.

(c) "Assignor" shall mean **Micron Technology, Inc.**, a Delaware corporation with offices at 8000 South Federal Way, Boise, ID 83707.

(d) "Effective Date" shall mean October 3, 2008.

(e) 

(f) 

(g) "Imaging Patents" shall mean those patents identified in ATTACHMENT "A" hereto, including, without limitation, all divisions, continuations, continuations-in-part, reissues, reexaminations, and all foreign counterparts thereof, and which may issue thereon or in connection therewith after the Effective Date of this Agreement.

(h) "Imaging Patent Applications" shall mean those filed patent applications identified in ATTACHMENT "B" hereto, including, without limitation, all patents, divisions, continuations, continuations-in-part, reissues, reexaminations, and all foreign counterparts which may issue thereon or in connection therewith after the Effective Date of this Agreement.

(i) "Semiconductor Patents" shall mean those patents identified in ATTACHMENT "D" hereto, including, without limitation, all divisions, continuations, continuations-in-part, reissues, reexaminations, and all foreign counterparts thereof, and which may issue thereon or in connection therewith after the Effective Date of this Agreement.

(j) "Semiconductor Patent Applications" shall mean those filed patent applications identified in ATTACHMENT "E" hereto, including, without limitation, all patents, divisions, continuations, continuations-in-part, reissues, reexaminations, and all foreign counterparts which may issue thereon or in connection therewith after the Effective Date of this Agreement.

(k)

2.

(a) Subject to the terms and conditions of this Agreement, and subject to the rights of others existing as of the Effective Date of this Agreement if any, Assignor, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, hereby sells, assigns, and transfers to Assignee its entire right, title and interest in and to the Imaging Patents, including all rights to causes of action and remedies related thereto (including the right to sue for past, present or future infringement of rights related to the foregoing and the right to collect damages therefor). Assignor hereby authorizes and requests the Commissioner of Patents of the United States, and any other official of the United States and any country foreign to the United States whose duty it is to issue or record patents, to issue the Imaging Patents to Assignee and to record assignment of the Imaging Patents to Assignee.

(b) Subject to the terms and conditions of this Agreement, and subject to the rights of others existing as of the Effective Date of this Agreement if any, Assignor, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, hereby sells, assigns, and transfers to Assignee its entire right, title and interest in and to the Intellectual Property rights in the Imaging Patent Applications. Assignor hereby authorizes and requests the Commissioner of Patents of the United States, and any other official of the United States and any country foreign to the United States whose duty it is to issue or record patents, to record assignment of the Imaging Patent Applications to Assignee.

(c)

(d) Subject to the terms and conditions of this Agreement, and subject to the rights of others existing as of the Effective Date of this Agreement if any, and subject further to the restrictions on the Semiconductor Patents set out below, Assignor, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, hereby sells, assigns, and transfers to Assignee its entire right, title and interest in and to the Semiconductor Patents, including all rights to causes of action and remedies related thereto (including the right to sue for past, present or future infringement of rights related to the foregoing and the right to collect damages therefor). Assignor hereby authorizes and requests the Commissioner of Patents of the United States, and any other official of the United States and any country foreign to the United States whose duty it is to issue or record patents, to issue the Semiconductor Patents to Assignee and to record assignment of the Semiconductor Patents to Assignee.

(e) Subject to the terms and conditions of this Agreement, and subject to the rights of others existing as of the Effective Date of this Agreement if any, Assignor, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, hereby sells, assigns, and transfers to Assignee its entire right, title and interest in and to the Intellectual Property rights in the Semiconductor Patent Applications. Assignor hereby authorizes and requests the Commissioner of Patents of the United States, and any other official of the United States and any country foreign to the United States whose duty it is to issue or record patents, to record assignment of the Semiconductor Patent Applications to Assignee.

(f)

[REDACTED]

[REDACTED]

[REDACTED]

3 [REDACTED]

[REDACTED]

4. [REDACTED]

[REDACTED]

5. [REDACTED]

[REDACTED]

[REDACTED]

6. [REDACTED]

[REDACTED]

7. General

This Agreement shall be effective as of the Effective Date hereof and shall be binding on the respective heirs, assigns, representatives, and successors of Assignor and of Assignee.

[the rest of this page intentionally left blank]

Agreed to by:

**Micron Technology, Inc.**

Signed: *[Signature]*

Date: 9/26/08, 2008

Notarization

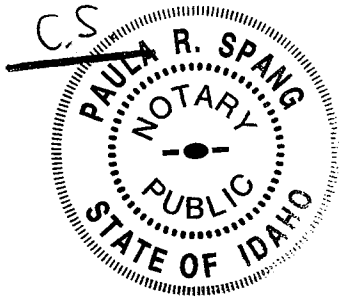
State of Idaho  
County of Ada

On 9/26/08, before me, *Paula R. Spang*, personally appeared the above-named *Stevan B. Appleton*

who executed this Assignment in my presence and acknowledged to me that he did so of his own free will and in his authorized capacity for the purposes set forth herein.

Signed: *[Signature]*  
My commission expires: 8/12/11

REVIEWED  
MTI LEGAL



Agreed to by:

**Aptina Imaging Corporation**

Signed: *Thomas L. Lauer, Jr.*

Date: 9/26/08, 2008

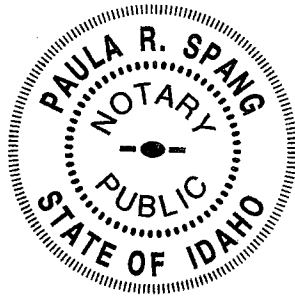
Notarization

State of Idaho  
County of Ada

On 9/26/08, before me, *Paula R. Spang*, personally appeared the above-named *Thomas L. Lauer, Jr.*

who executed this Assignment in my presence and acknowledged to me that he did so of his own free will and in his authorized capacity for the purposes set forth herein.

Signed: *[Signature]*  
My commission expires: 8/12/11



[Signature page to the Patent Assignment Agreement]

ATTACHMENT "A"





## Aptina Issued

| PATENT NUMBER | FILE NUMBER     | TITLE   | COUNTRY NAME             | ISSUE DATE   |
|---------------|-----------------|---|--------------------------|--------------|
| 7217589       | 2002-0058.01/US | DEEP PHOTODIODE ISOLATION PROCESS   | United States of America | May 15, 2007 |
| 7217913       | AVGO-0009.00/US | METHOD AND SYSTEM FOR WAVELENGTH-DEPENDENT IMAGING AND DETECTION USING A HYBRID FILTER                                    | United States of America | May 15, 2007 |
| 7218452       | 2003-1239.01/US | CONTROLLING LENS SHAPE IN A MICROLENS ARRAY   | United States of America | May 15, 2007 |
| 7223626       | 2004-0034.00/US | SPACERS FOR PACKAGED MICROELECTRONIC IMAGERS AND METHODS OF MAKING AND USING SPACERS FOR WAFER-LEVEL PACKAGING OF IMAGERS | United States of America | May 29, 2007 |
| 7223960       | 2002-0004.00/US | AN IMAGE SENSOR AN IMAGE SENSOR PIXEL AND METHODS OF FORMING THE SAME   | United States of America | May 29, 2007 |
| 7230561       | 2004-0769.00/US | A PROGRAMMABLE INTEGRATING RAMP GENERATOR WITH PEDESTAL   | United States of America | Jun 12, 2007 |
| 7230645       | PBIT-0089.01/US | CMOS APS PIXEL SENSOR DYNAMIC RANGE INCREASE  | United States of America | Jun 12, 2007 |
| 7233038       | 2003-0487.01/US | SELF MASKING CONTACT USING AN ANGLED IMPLANT  | United States of America | Jun 19, 2007 |
| 7233353       | PBIT-0132.01/US | IMAGE SENSOR HAVING BOOSTED RESET   | United States of America | Jun 19, 2007 |
| 7233737       | AVGO-0004.00/US | Fixed-focus camera module and associated method of assembly   | United States of America | Jun 19, 2007 |
| 7238544       | 2003-0241.01/US | IMAGING WITH GATE CONTROLLED CHARGE STORAGE   | United States of America | Jul 3, 2007  |
| 7238977       | 2003-1330.00/US | WIDE DYNAMIC RANGE SENSOR HAVING A PINNED DIODE WITH MULTIPLE PINNED VOLTAGES   | United States of America | Jul 3, 2007  |
| 7242332       | 2005-1148.00/US | COLUMN PARALLEL SIGMA-DELTA ANALOG-TO-DIGITAL CONVERSION WITH GAIN GAIN AND OFFSET CONTROL                                | United States of America | Jun 20, 2007 |
| 7244646       | 2002-1143.01/US | PIXEL DESIGN TO MAXIMIZE PHOTODIODE CAPACITANCE AND METHOD OF FORMING SAME  | United States of America | Jul 17, 2007 |
| 7245320       | 2002-0568.00/US | METHOD AND APPARATUS FOR AUTOMATIC GAIN AND EXPOSURE CONTROL FOR MAINTAINING  | United States of America | Jul 17, 2007 |

ATTACHMENT "B"



ATTACHMENT "C"



ATTACHMENT "D"



ATTACHMENT "E"

