

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Mohamed N. Darwish</td> <td>06/21/2010</td> </tr> <tr> <td>Jun Zeng</td> <td>06/04/2010</td> </tr> <tr> <td>Richard A. Blanchard</td> <td>06/29/2010</td> </tr> </tbody> </table>		Name	Execution Date	Mohamed N. Darwish	06/21/2010	Jun Zeng	06/04/2010	Richard A. Blanchard	06/29/2010				
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<b>RECEIVING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>MaxPower Semiconductor Inc.</td> </tr> <tr> <td>Street Address:</td> <td>4800 Great America Pkwy</td> </tr> <tr> <td>Internal Address:</td> <td>#205</td> </tr> <tr> <td>City:</td> <td>Santa Clara</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95054</td> </tr> </table>		Name:	MaxPower Semiconductor Inc.	Street Address:	4800 Great America Pkwy	Internal Address:	#205	City:	Santa Clara	State/Country:	CALIFORNIA	Postal Code:	95054
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<b>CORRESPONDENCE DATA</b>													
<p>Fax Number: (214)206-9992</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2145625057</p> <p>Email: groover@technopatents.com</p> <p>Correspondent Name: Robert Groover</p> <p>Address Line 1: Box 802889</p> <p>Address Line 4: Dallas, TEXAS 75380</p>													
ATTORNEY DOCKET NUMBER:	MXP-030												
NAME OF SUBMITTER:	Robert Groover												
<p>Total Attachments: 8</p> <p>source=MXP030_signed_darwish#page1.tif</p>													

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**PATENT**  
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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: MaxPower Semiconductor, Inc.Application No./Patent No.: 12/759,690Filed/Issue Date: 04-13-2010Titled: **POWER SEMICONDUCTOR DEVICES, METHODS, AND STRUCTURES WITH Embedded Dielectric Layers  
Containing Permanent Charges**

MaxPower Semiconductor Inc., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest in;
2. ☐ an assignee of less than the entire right, title, and interest in  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_ %); or
3. ☐ the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)

the patent application/patent identified above, by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy therefore is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

- ☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

(NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08)

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Mohamed N. Darwish  
Signature6-21-10  
Date

Mohamed N. Darwish

President

Printed or Typed Name

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-6199 and select option 2.

**PATENT**  
**REEL: 024780 FRAME: 0776**

## ASSIGNMENT

As a below-named inventor of the U.S. patent application entitled POWER SEMICONDUCTOR DEVICES, METHODS, AND STRUCTURES WITH Embedded Dielectric Layers Containing Permanent Charges, Application number 12/759,696 filed 04-13-2010, I hereby sell, assign and transfer to MaxPower Semiconductor Inc., 4800 Great America Parkway #205, Santa Clara CA 95054 (hereinafter referred to as ASSIGNEE), for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the full and exclusive right, title, and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in all foreign countries to be obtained for said invention by said application or any division, continuation, continuation-in-part, renewal, substitute, extension, re-examination or reissue thereof or any legal equivalent thereof in the United States or any foreign country or national or regional patent authority, for the full term or terms of which the same may be granted, and specifically including the right to file international and foreign national or regional applications and claim priority to this application therefore under the provisions of any convention or treaty;

and I also hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

and I further hereby covenant that I will, upon ASSIGNEE'S request, promptly provide ASSIGNEE with all pertinent facts and documents, relating to said application, to any invention disclosed therein, or to any of said Letters Patent or legal equivalents thereof in the United States or in foreign countries, as may be known and accessible to me, and that I will testify and give evidence as to the same in any litigation or interference which may arise, and that I will promptly execute and deliver to ASSIGNEE or its legal representative, without charge but at Assignee's expense, any and all papers, instruments or affidavits which may be required, necessary or desirable for the purpose of applying for, obtaining, maintaining, issuing or enforcing said application and said Letters Patent and said equivalents thereof in the United States or in any foreign country; and I further authorize ASSIGNEE or its legal representative to make any submissions or true declarations which may be needed in connection with the prosecution of this application or related applications in the U.S. or in other countries, consistent with the requirements of the applicable country;

AND I HEREBY AUTHORIZE AND REQUEST the issuing authority

to issue any and all United States and foreign national or regional patent documents or grants related to this application and/or invention to ASSIGNEE, its successors and assigns.

IN WITNESS WHEREOF, this Assignment has been executed on the date set forth below.

Inventor: Mohamed N. Darwish

Date: 6-21-10 Signature: Mohamed N. Darwish

Residence: 675 Regas Dr., Campbell CA 95008

Inventor: Jun Zeng

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

Residence: 22495 Kent Ave., Torrance CA 90505

Inventor: Richard A. Blanchard

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

Residence: 10724 Mora Dr., Los Altos CA 94024-6530

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Inventor: Mohamed N. Darwish

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Inventor: Jun Zeng

Date: \_\_06/04/2010\_\_ Signature:  \_\_\_\_\_

Residence: 22495 Kent Ave., Torrance CA 90505

Inventor: Richard A. Blanchard

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

Residence: 10724 Mora Dr., Los Altos CA 94024-6530

**DECLARATION****ADDITIONAL INVENTOR(S)**

Supplemental Sheet

Page 1 of 1

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Richard A.		Blanchard	
Inventor's Signature <i>Richard A. Blanchard</i>		Date <i>June 29, 2010</i>	
Los Altos Residence: City	CA State	US Country	US Citizenship
10724 Mora Dr. Mailing Address			
Los Altos City	CA State	94024 Zip	US Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
City	State	Zip	Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
City	State	Zip	Country

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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to issue any and all United States and foreign national or regional patent documents or grants related to this application and/or invention to ASSIGNEE, its successors and assigns.

IN WITNESS WHEREOF, this Assignment has been executed on the date set forth below.

Inventor: Mohamed N. Darwish

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

Residence: 675 Regas Dr., Campbell CA 95008

Inventor: Jun Zeng

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

Residence: 22495 Kent Ave., Torrance CA 90505

Inventor: Richard A. Blanchard

Date: June 29, 2010 Signature: Richard A. Blanchard

Residence: 10724 Mora Dr., Los Altos CA 94024-6530

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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN  
APPLICATION DATA SHEET (37 CFR 1.76)****Title of  
Invention****POWER SEMICONDUCTOR DEVICES, METHODS, AND STRUCTURES WITH  
Embedded Dielectric Layers Containing Permanent Charges**

As the below named inventor(s), I/we declare that:

This declaration is directed to:



The attached application, or

Application No. 12/759,696 filed on 04-13-2010

As amended on \_\_\_\_\_ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

**WARNING:**

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

**FULL NAME OF INVENTOR(S)**Inventor one: Mohamed N. DarwishDate: 6-21-10Signature: Mohamed N. DarwishCitizen of: USInventor two: Jun Zeng

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Citizen of: USAdditional inventors or a legal representative are being named on 1 additional form(s) attached hereto.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**PATENT****REEL: 024780 FRAME: 0782**

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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN  
APPLICATION DATA SHEET (37 CFR 1.76)**

Title of  
Invention

**POWER SEMICONDUCTOR DEVICES, METHODS, AND STRUCTURES WITH  
Embedded Dielectric Layers Containing Permanent Charges**

As the below named inventor(s), I/we declare that:

This declaration is directed to:

- ☐ The attached application, or  
☒ Application No. 12/759,696 filed on 04-13-2010  
☐ As amended on \_\_\_\_\_ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

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**FULL NAME OF INVENTOR(S)**

Inventor one: Mohamed N. Darwish Date: \_\_\_\_\_

Signature: \_\_\_\_\_ Citizen of: US

Inventor two: Jun Zeng Date: 06/04/2010

Signature:  Citizen of: US

☒ Additional inventors or a legal representative are being named on 1 additional form(s) attached hereto.

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**PATENT**

**RECORDED: 08/03/2010**

**REEL: 024780 FRAME: 0783**