

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Anton Arriagada</td> <td>10/15/2012</td> </tr> <tr> <td>Chris Brindle</td> <td>10/15/2012</td> </tr> <tr> <td>Michael A. Stuber</td> <td>10/12/2012</td> </tr> </tbody> </table>		Name	Execution Date	Anton Arriagada	10/15/2012	Chris Brindle	10/15/2012	Michael A. Stuber	10/12/2012				
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>IO Semiconductor, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>4350 Executive Drive</td> </tr> <tr> <td>Internal Address:</td> <td>Suite 200</td> </tr> <tr> <td>City:</td> <td>San Diego</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>92121</td> </tr> </table>		Name:	IO Semiconductor, Inc.	Street Address:	4350 Executive Drive	Internal Address:	Suite 200	City:	San Diego	State/Country:	CALIFORNIA	Postal Code:	92121
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CORRESPONDENCE DATA													
<p>Fax Number: 8588470017  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (858) 481-1883        Email: heather@themuellerlawoffice.com        Correspondent Name: Heather Mueller        Address Line 1: The Mueller Law Office, PC        Address Line 2: 12707 High Bluff Drive, Suite 200        Address Line 4: San Diego, CALIFORNIA 92130</p>													
ATTORNEY DOCKET NUMBER:	IOSEP009CIP												
NAME OF SUBMITTER:	Heather Mueller												
<p>Total Attachments: 2        source=20121015_losep009CIP_assignment#page1.tif        source=20121015_losep009CIP_assignment#page2.tif</p>													

OP \$40.00 13652240

Attorney Docket No.: loseP009CIP

**ASSIGNMENT**

For good and valuable consideration, we, **Anton Arriagada**, residing at 5252 Balboa Arms Dr. Unit 242, San Diego, CA 92117; **Chris Brindle** residing at 13351 Silver Lake Drive, Poway, CA 92064, and **Michael A. Stuber** residing at 7905 Vista Canela, Carlsbad, CA 92009;

Hereby sell, assign and transfer to **IO Semiconductor, Inc.**, 4350 Executive Drive, Suite 200, San Diego, California 92191, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for a United States Patent, which has been executed by the undersigned concurrently herewith, and is entitled:

**Trap Rich Layer with Through-Silicon-Vias in Semiconductor Devices**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

  
\_\_\_\_\_  
**Anton Arriagada****Date**10/15/2012  
\_\_\_\_\_  
Witness**Date**10/15/2012  
\_\_\_\_\_  
Witness**Date**10/15/2012

Attorney Docket No.: loseP009CIP

  
Chris Brindle

Date

10/15/2012

  
Witness

Date

10/15/2012

  
Witness

Date

10/15/2012

  
Michael A. Stuber

Date

10/12/12

  
Witness

Date

10/12/12

  
Witness

Date

10/12/12

DEAN BARNAT