

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4213074

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MICHAEL A. STUBER	12/02/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	IO SEMICONDUCTOR INCORPORATED
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<b>City:</b>	SAN DIEGO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92191
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15386014
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<b>Fax Number:</b>	(214)200-0853
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<b>ATTORNEY DOCKET NUMBER:</b>	36340.351US15
<b>NAME OF SUBMITTER:</b>	MARCELLA THOMPSON
<b>SIGNATURE:</b>	/Marcella Thompson/
<b>DATE SIGNED:</b>	01/06/2017
<b>Total Attachments: 2</b>	
source=Inventor to IO Semiconductor#page1.tif	
source=Inventor to IO Semiconductor#page2.tif	

ASSIGNMENT

For good and valuable consideration, we, Chris Brindle a U.S. citizen, residing at 13351 Silver Lake Drive, Poway, California 92064, Michael A. Stuber, a U.S. citizen, residing at 7905 Vista Canela, Carlsbad, California 92009, and Stuart B. Molin a U.S. citizen, residing at 7698 Sitio Algodon, Carlsbad, California 92009, and;

Initials NBS  
Date 3/19/15

IO Semiconductor Incorporated


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 for Semiconductor Devices

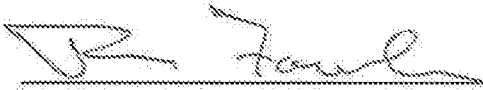
and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which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

  
Chris Brindle

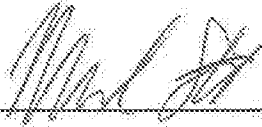
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Date



Michael A. Stuber

12/2/11

Date



Witness

12/2/11

Date



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12/2/11

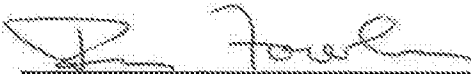
Date



Stuart B. Molin

12/2/11


Date



Witness

12/2/11

Date



Witness

12/2/11

Date