

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4535280

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JAMES CHRISTIAN SALVIA	12/19/2016
MICHAEL H. PERROTT	01/12/2017
MARIAN VOROS	05/06/2017
ELDIWN NG	01/12/2017
JULIUS MING-LIN TSAI	01/03/2017
NIKHIL APTE	01/13/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	INVENSENSE, INC.
<b>Street Address:</b>	1745 TECHNOLOGY DRIVE
<b>Internal Address:</b>	SUITE 200
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95110
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15294130
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(831)722-2350
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	4083770500
<b>Email:</b>	patents@wagnerblecher.com
<b>Correspondent Name:</b>	INVENSENSE C/O WAGNER BLECHER LLP
<b>Address Line 1:</b>	123 WESTRIDGE DRIVE
<b>Address Line 4:</b>	WATSONVILLE, CALIFORNIA 95076
<b>ATTORNEY DOCKET NUMBER:</b>	IVS-685
<b>NAME OF SUBMITTER:</b>	EMILIE BENSCHOTER
<b>SIGNATURE:</b>	/Emilie Benschoter/
<b>DATE SIGNED:</b>	08/03/2017

**Total Attachments: 8**

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## ASSIGNMENT FOR PATENT APPLICATION

I/We, the undersigned (each) hereby sell, assign, and transfer to **InvenSense, Inc.**, having a place of business at 1745 Technology Drive, Suite 200, San Jose, CA 95110 (hereinafter referred to as "InvenSense"), in furtherance of my/our obligations to the InvenSense, Inc. and its subsidiaries and affiliates, and do hereby assign and transfer to InvenSense, its successors and assigns, the entire right, title and interest, including the right of priority, in the invention, to and under an application for Letters Patent of the United States entitled:


### A TWO-DIMENSIONAL ARRAY OF CMOS CONTROL ELEMENTS

**Filing Date:** 10/14/2016

**Application No:** 15/294,130

and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said Letters Patent. I/we additionally authorize InvenSense to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by InvenSense, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made; AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/ we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to InvenSense, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to InvenSense, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid InvenSense, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by InvenSense; AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to InvenSense, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment. I/we further authorize and direct the attorneys of record to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

Signed on the date(s) indicated beside my (our) signature(s).

1) Signature:  Date: 12/19/16  
Typed Name: James Christian SALVIA

2) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Michael H. PERROTT

3) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Marian VOROS

4) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Eldwin NG

5) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Julius Ming-Lin TSAI

6) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Nikhil APTE

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Signed on the date(s) indicated beside my (our) signature(s).

- 1) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: James Christian SALVIA
  
- 2) Signature: Michael Perrott Date: JAN 12, 2017  
Typed Name: Michael H. PERROTT
  
- 3) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Marian VOROS
  
- 4) Signature: Eldwin NG Date: 1/12/2017  
Typed Name: Eldwin NG
  
- 5) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Julius Ming-Lin TSAI
  
- 6) Signature: Nikhil Appte Date: 01/13/2017  
Typed Name: Nikhil APTE

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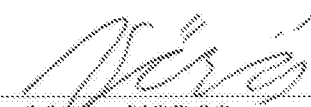
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- 1) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: James Christian SALVIA
  
- 2) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Michael H. PERROTT
  
- 3) Signature:  \_\_\_\_\_ Date: 3/4/2017  
Typed Name: Mañan VOROS
  
- 4) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Eldwin NG
  
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- 5) Signature: Julius Tsai Date: 1/3/2017  
Typed Name: Julius Ming-Lin TSAI
  
- 6) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Nikhil APTE