504582316 10/05/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4629028

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HAMZA YILMAZ	01/10/2012
ANUP BHALLA	01/30/2012
YEEHENG LEE	01/30/2012
DANIEL NG	01/31/2012
JONGOH KIM	01/31/2012
JI PAN	02/01/2012
DANIEL CALAFUT	02/01/2012
MADHUR BOBDE	02/02/2012

RECEIVING PARTY DATA

Name:	ALPHA AND OMEGA SEMICONDUCTOR INCORPORATED
Street Address:	475 OAKMEAD PARKWAY
City:	SUNNYVALE
State/Country:	CALIFORNIA
Postal Code:	94085

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15680712

CORRESPONDENCE DATA

Fax Number: (510)668-0239

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.

Phone: 510-668-0965
Email: josh@jdipatent.com
Correspondent Name: JOSHUA D. ISENBERG
Address Line 1: 809 CORPORATE WAY

Address Line 4: FREMONT, CALIFORNIA 94539

ATTORNEY DOCKET NUMBER:	ANO-049/DIV/CON2
NAME OF SUBMITTER:	JOSHUA D. ISENBERG
SIGNATURE:	/Joshua D. Isenberg, Reg. No. 41088/

PATENT 504582316 REEL: 043800 FRAME: 0352

DATE SIGNED:	10/05/2017
Total Attachments: 8	
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ASSIGNMENT

INVENTOR AND CITY	Whereas, I, HAMZA YILMAZ of 20755 Trinity Avenue Saratoga, CA 95070, USA
	have invented:
TITLE:	NANO MOSFET WITH TRENCH BOTTOM OXIDE SHIELDED AND THIRD DIMENSIONAL P-BODY CONTACT
DATE INVENTOR SIGNED THE DECLARATION	and executed a United States patent application therefor on, 2012 Said assignor hereby authorize and request
	their attorney, Joshua D. Isenberg, of 809 Corporate Way, Fremont, California. to insert here in parentheses (Application number 15/680,712, filed <u>August</u> , 18, 2017) the filing date and application number of said application when known.
	Whereas, Alpha and Omega Semiconductor Incorporated, a California Corporation, having its registered address at 475 Oakmead Pkwy, Sunnyvale, CA 94085, (hereinafter called AOS), desires to acquire the entire right, title and interest of said application and invention, and to any United States and foreign patents to be obtained therefore;
	Now therefore for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to AOS, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to AOS its successors and assigns; and I hereby agree that AOS may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by
CITY AND	Signed and Sealed at Sunyvale
DATE	on 1 10 2012

Docket No.: ANO-049/US

Assignment

PATENT REEL: 043800 FRAME: 0354

HAMZA YILMAZ

ASSIGNMENT

INVENTOR AND CITY	Whereas, I, ANUP BHALLA of 1406 Block Drive Santa Clara, CA 95050, USA
	have invented:
TITLE:	NANO MOSFET WITH TRENCH BOTTOM OXIDE SHIELDED AND THIRD DIMENSIONAL P-BODY CONTACT
DATE INVENTOR SIGNED THE DECLARATION	and executed a United States patent application therefor
	california, to insert here in parentheses (Application number 15/680,712, file August 18, 201)7 the filing date and application number of said application when known.
	Whereas, Alpha and Omega Semiconductor Incorporated, a California Corporation, having its registered address at 475 Oakmead Pkwy. Sunnyvale, CA 94085, (hereinafter called AOS), desires to acquire the entire right, title and interest of said application and invention, and to any United States and foreign patents to be obtained therefore;
ē.	Now therefore for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to AOS, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to AOS its successors and assigns; and I hereby agree that AOS may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by
CITY AND	Signed and Sealed at SUNNY VALE
DATE	on Jan 30, 2012 aug Bhalla ANUP BHALLA

Docket No.: ANO-049/US

Assignment

ASSIGNMENT

INVENTOR AND CITY	Whereas, I, YEEHENG LEE of 1436 Bellemeade Street San Jose, CA 95131, USA
	have invented:
TITLE:	NANO MOSFET WITH TRENCH BOTTOM OXIDE SHIELDED AND THIRD DIMENSIONAL P-BODY CONTACT
DATE INVENTOR SIGNED THE	and executed a United States patent application therefor
DECLARATION	on,2012. Said assignor hereby authorize and request their attorney, Joshua D. Isenberg, of 809 Corporate Way, Fremont, California. to insert here in parentheses (Application number 15/680,712 , filedAugust 18, 2017) the filing date and application number of said application when known.
	Whereas, Alpha and Omega Semiconductor Incorporated, a California Corporation, having its registered address at 475 Oakmead Pkwy, Sunnyvale, CA 94085, (hereinafter called AOS), desires to acquire the entire right, title and interest of said application and invention, and to any United States and foreign patents to be obtained therefore;
	Now therefore for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to AOS, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to AOS its successors and assigns; and I hereby agree that AOS may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by
CITY AND	Signed and Sealed at Summyrle, CA
DATE	on $t/30$ 2012
	Les of Feeheng Lee

Docket No.: ANO-049/US

Assignment

ASSIGNMENT

INVENTOR AND CITY	Whereas, I, DANIEL NG of 3887 Via Montaivo Campbell, CA 95008, USA
	have invented;
TITLE:	NANO MOSFET WITH TRENCH BOTTOM OXIDE SHIELDED AND THIRD DIMENSIONAL P-BODY CONTACT
DATE INVENTOR	and executed a United States patent application therefor
SIGNED THE DECLARATION	on, 2012. Said assignor hereby authorize and request their attorney, Joshua D. Isenberg, of 809 Corporate Way, Fremont, California, to insert here in parentheses (Application number 15/680,712, filed _ August 18, 2017) the filing date and application number of said application when known.
	Whereas, Alpha and Omega Semiconductor Incorporated, a California Corporation, having its registered address at 475 Oakmead Pkwy, Sunnyvale, CA 94085, (hereinafter called AOS), desires to acquire the entire right, title and interest of said application and invention, and to any United States and foreign patents to be obtained therefore;
	Now therefore for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to AOS, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to AOS its successors and assigns; and I hereby agree that AOS may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by
CITY AND	Signed and Sealed at Sury Wol
DATE	on // 3/ , 2012
	DANIEL NG

Docket No.: ANO-049/US

Assignment

ASSIGNMENT

INVENTOR AND CITY	Whereas, I, JONGOH KIM of Portland, Oregon 97229, US	of 5337, NW Pasco Ter., SA
	have invented:	
TITLE;	NANO MOSFET WITH TR AND THIRD DIMENSION	RENCH BOTTOM OXIDE SHIELDED AL P-BODY CONTACT
DATE INVENTOR SIGNED THE	and executed a United States p	patent application therefor
DECLARATION	California to insert here 15/680,712, filed	Said assignor hereby authorize and request senberg, of 809 Corporate Way, Fremont in parentheses (Application number August 18, 2017) the filing of said application when known.
	Pkwy, Sunnyvale, CA 94085, the entire right, title and interest	Omega Semiconductor Incorporated, and its registered address at 475 Oakmeac (hereinafter called AOS), desires to acquire est of said application and invention, and to patents to be obtained therefore;
	to AOS, its successors and ass said application and invention foreign countries, and all righ United States application, and issue any Letters Patent gran application to AOS its success AOS may apply for foreign I	valuable consideration, receipt whereof is bove named, hereby sell, assign, and transfer signs, the entire right, title and interest in the atherein disclosed for the United States and its of priority resulting from the filing said I request the Commissioner of Patents to nted upon the invention set forth in said ssors and assigns; and I hereby agree that Letters Patent on said invention and I will in connection with the United States and ed upon to do so by
CITY AND	Signed and Sealed at Portland,	OR, USA
DATE	on Jan/31st ,	, 2012
		Joseph Kim
	•	JONGOH KIM

Docket No.: ANO-049/US

Assignment

ASSIGNMENT

INVENTOR AND CITY	Whereas, I, JI PAN of 1758 Cape Coral Dr. San Jose, CA 95133, USA
v	have invented:
TITLE:	NANO MOSFET WITH TRENCH BOTTOM OXIDE SHIELDED AND THIRD DIMENSIONAL P-BODY CONTACT
DATE INVENTOR SIGNED THE DECLARATION	and executed a United States patent application therefor on
	Whereas, Alpha and Omega Semiconductor Incorporated, a California Corporation, having its registered address at 475 Oakmead Pkwy, Sunnyvale, CA 94085, (hereinafter called AOS), desires to acquire the entire right, title and interest of said application and invention, and to any United States and foreign patents to be obtained therefore;
	Now therefore for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to AOS, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to AOS its successors and assigns; and I hereby agree that AOS may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by
CITY AND	Signed and Sealed at <u>Sunny Vale</u>
	on <u>2/1</u> , 2012
	JO WY JI PAN

Docket No.: ANO-049/US

Assignment

ASSIGNMENT

INVENTOR AND CITY	Whereas, I, DANIEL CALAFUT of 108 Ballatore Court San Jose, CA 95134, USA
	have invented:
TITLE:	NANO MOSFET WITH TRENCH BOTTOM OXIDE SHIELDED AND THIRD DIMENSIONAL P-BODY CONTACT
DATE INVENTOR SIGNED THE DECLARATION	and executed a United States patent application therefor
	on
	Whereas, Alpha and Omega Semiconductor Incorporated, a California Corporation, having its registered address at 475 Oakmead Pkwy, Sunnyvale, CA 94085, (hereinafter called AOS), desires to acquire the entire right, title and interest of said application and invention, and to any United States and foreign patents to be obtained therefore;
	Now therefore for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to AOS, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to AOS its successors and assigns; and I hereby agree that AOS may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by
CITY AND	Signed and Sealed at SUNNYVAUE
DATE	on <u>FER 01</u> . 2012.
	DANIEL CALAFUT

Docket No.: ANO-049/US

Assignment

ASSIGNMENT

INV	ENTOR
ANT	CITY

Whereas, I, MADHUR BOBDE of 1602 Goldfinch Way

Sunnyvale CA 94087, USA

have invented:

TITLE:

NANO MOSFET WITH TRENCH BOTTOM OXIDE SHIELDED AND THIRD DIMENSIONAL P-BODY CONTACT

SIGNED THE DECLARATION

DATE INVENTOR and executed a United States patent application therefor

2012. Said assignor hereby authorize and request their attorney, Joshua D. Isenberg, of 809 Corporate Way, Fremont, California to insert here in parentheses (Application number 15/680,712 filed August 18, 2017 the filing date and application number of said application when known

Whereas, Alpha and Omega Semiconductor Incorporated, a California Corporation, having its registered address at 475 Oakmead Pkwy, Sunnyvale, CA 94085, (hereinafter called AOS), desires to acquire the entire right, title and interest of said application and invention, and to any United States and foreign patents to be obtained therefore:

Now therefore for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to AOS, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to AOS its successors and assigns; and I hereby agree that AOS may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by

CITY AND

Signed and Sealed at Sunnyvale, CA
on Feb 2nd 2012

DATE

MADHUR BOBDE

Docket No.: ANO-049/US

Assignment

PATENT

REEL: 043800 FRAME: 0361 **RECORDED: 10/05/2017**