

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4451562

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JASPREET SINGH GANDHI	06/08/2017
HENLEY LIU	06/08/2017
TIEN-YU LEE	06/08/2017
GAMAL REFAI-AHMED	06/08/2017
MYONGSEOB KIM	06/08/2017
FERDINAND F. FERNANDEZ	06/08/2017
IVOR G. BARBER	06/08/2017
SURESH RAMALINGAM	06/08/2017
RECEIVING PARTY DATA	
Name:	XILINX, INC.
Street Address:	2100 LOGIC DRIVE
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95124
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15617774
CORRESPONDENCE DATA	
Fax Number:	(408)377-6137
<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>	
Phone:	408-879-4185
Email:	xilinxipl@xilinx.com
Correspondent Name:	XILINX, INC.
Address Line 1:	2100 LOGIC DR
Address Line 2:	ATTN: LEGAL DEPT
Address Line 4:	SAN JOSE, CALIFORNIA 95124
ATTORNEY DOCKET NUMBER:	X-5070 US
NAME OF SUBMITTER:	KATHERINE STOFER
SIGNATURE:	/Katherine Stofer/

PATENT

DATE SIGNED:	06/08/2017
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Total Attachments: 5

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ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, I/we

<u>Jaspreet Singh Gandhi</u>	of	<u>3005 Wetmore Drive, San Jose, CA 95148</u>
<u>Henley Liu</u>	of	<u>6244 Via De Adrianna, San Jose, CA 95120</u>
<u>Tien-Yu Lee</u>	of	<u>6361 Pearlroth Drive, San Jose, CA 95123</u>
<u>Gamal Refai-Ahmed</u>	of	<u>431 El Camino Real, # 5102, Santa Clara, CA 95050</u>
<u>Myongseob Kim</u>	of	<u>2218 Via Espada, Pleasanton, CA 94566</u>
<u>Ferdinand F. Fernandez</u>	of	<u>372 Daisy Drive, San Jose, CA 95123</u>
<u>Ivor G. Barber</u>	of	<u>126 Cleland Avenue, Los Gatos, CA 95030</u>
<u>Suresh Ramalingam</u>	of	<u>34276 Dunhill Drive, Fremont, CA 94555</u>

hereby sell, assign and transfer to Xilinx, Inc., a Delaware corporation, having a place of business at 2100 Logic Drive, San Jose, California 95124, its successors and assigns, the entire right, title and interest throughout the world in my/our invention

METHODS AND APPARATUS FOR THERMAL INTERFACE MATERIAL (TIM) BOND LINE THICKNESS (BLT) REDUCTION AND TIM ADHESION ENHANCEMENT FOR EFFICIENT THERMAL MANAGEMENT

for which I/we will execute a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; I/we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from me/us; I/we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, its successors, assigns and nominees, at its request and expense, in obtaining and enforcing patents for said invention in all countries; and I/we request the Commissioner of Patents and Trademarks to issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed on 6/8/2017

[Signature]
Jaspreet Singh Gandhi

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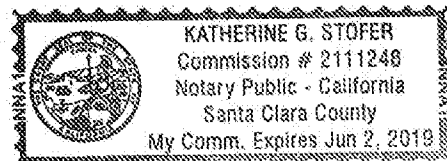
State of California)
County of Santa Clara)

CAPACITY CLAIMED BY SIGNER
(X) individual signing for oneself

On June 8, 2017, before me, Katherine G. Stofer, Notary Public, personally appeared Jaspreet Singh Gandhi, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.
[Signature]
Signature of Notary Public



Executed on 6/8/2017

[Signature]
Henley Liu

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State of California)
County of Santa Clara)

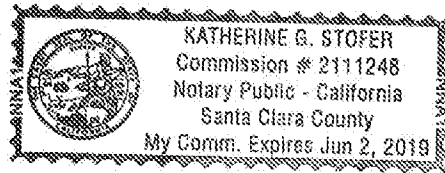
CAPACITY CLAIMED BY SIGNER
(X) individual signing for oneself

On June 8, 2017, before me, Katherine G. Stofer, Notary Public, personally appeared Henley Liu, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[Signature]
Signature of Notary Public



Executed on 6-8-17

[Signature]
Tien-Yu Lee

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State of California)
County of Santa Clara)

CAPACITY CLAIMED BY SIGNER
(X) individual signing for oneself

On June 8, 2017, before me, Katherine G. Stofer, Notary Public, personally appeared Tien-Yu Lee, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[Signature]
Signature of Notary Public



Executed on 6/8/2017

[Signature]
Gamal Refai-Ahmed

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State of California)
County of Santa Clara)

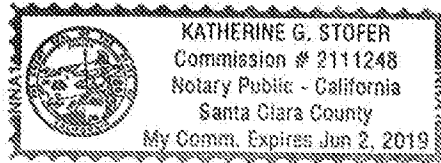
CAPACITY CLAIMED BY SIGNER
(X) individual signing for oneself

On June 8, 2017, before me, Katherine G. Stofer, Notary Public, personally appeared Gamal Refai-Ahmed, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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WITNESS my hand and official seal.

[Signature]
Signature of Notary Public



Executed on 6/8/2017

[Signature]
Myongseob Kim

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State of California)
County of Santa Clara)

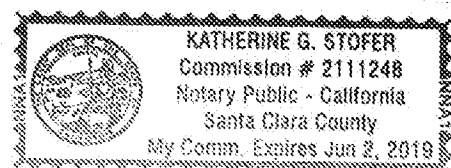
CAPACITY CLAIMED BY SIGNER
(X) individual signing for oneself

On June 8, 2017, before me, Katherine G. Stofer, Notary Public, personally appeared Myongseob Kim, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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WITNESS my hand and official seal.

[Signature]
Signature of Notary Public



Executed on 6/8/2017

Ferdinand F. Fernandez
Ferdinand F. Fernandez

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State of California)
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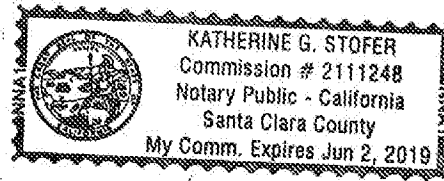
CAPACITY CLAIMED BY SIGNER
(X) individual signing for oneself

On June 8, 2017, before me, Katherine G. Stofer, Notary Public, personally appeared Ferdinand F. Fernandez, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Katherine G. Stofer
Signature of Notary Public



Executed on 6/8/17

Ivor G. Barber
Ivor G. Barber

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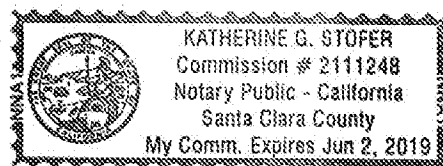
CAPACITY CLAIMED BY SIGNER
(X) individual signing for oneself

On June 8, 2017, before me, Katherine G. Stofer, Notary Public, personally appeared Ivor G. Barber, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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WITNESS my hand and official seal.

Katherine G. Stofer
Signature of Notary Public



Executed on June 8, 2017

Suresh Ramalingam
Suresh Ramalingam

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County of Santa Clara)

CAPACITY CLAIMED BY SIGNER
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On June 8, 2017, before me, Katherine G. Stofer, Notary Public, personally appeared Suresh Ramalingam, who proved to me on the basis of satisfactory evidence to be the person(~~s~~) whose name(~~s~~) is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in his/~~her~~/their authorized capacity(~~ies~~), and that by his/~~her~~/their signature(~~s~~) on the instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[Signature]
Signature of Notary Public

