

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5999576

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GAMAL REFAI-AHMED	03/05/2020
SURESH RAMALINGAM	02/07/2020
BOON Y. ANG	01/15/2020
TOSHIYUKI HISAMURA	02/10/2020
SURESH PARAMESWARAN	01/27/2020
SCOTT MCCANN	01/13/2020
HOA LAP DO	02/07/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	XILINX, INC.
<b>Street Address:</b>	2100 LOGIC DRIVE
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95124
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16810473
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(408)371-4613
<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>	4088796539
<b>Email:</b>	nsavoca@pattersonsheridan.com, psdocketing@pattersonsheridan.com
<b>Correspondent Name:</b>	XILINX, INC.
<b>Address Line 1:</b>	2100 LOGIC DRIVE
<b>Address Line 4:</b>	SAN JOSE, CALIFORNIA 95124
<b>ATTORNEY DOCKET NUMBER:</b>	X-5950 US
<b>NAME OF SUBMITTER:</b>	KEITH TABOADA
<b>SIGNATURE:</b>	/Keith Taboada/
<b>DATE SIGNED:</b>	03/05/2020

**Total Attachments: 7**

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ASSIGNMENT

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

.....	of	431-5102 El Camino Rd.; Santa Clara, California 95050
Gamal Refai-Ahmed		
.....	of	34276 Dunhill Dr.; Fremont, California 94555
Suresh Ramalingam		
.....	of	1063 Oleander Court; Sunnyvale, California 94086
Boon Y. Ang		
.....	of	1532 Montellamo Drive; San Jose, California 95120
Toshiyuki Hisamura		
.....	of	1170 Gilbert Court; Fremont, California 94536
Suresh Parameswaran		
.....	of	970 La Mesa Terrace, Unit C; Sunnyvale, CA 94086
Scott McCann		
.....	of	2654 Puccini Avenue; San Jose, California 95122
Hoa Lap Do		

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

## THERMAL ENABLEMENT OF DIES WITH IMPURITY GETTERING

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 March 5/20

Gamal Refai-Ahmed

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )  
County of Santa Clara )

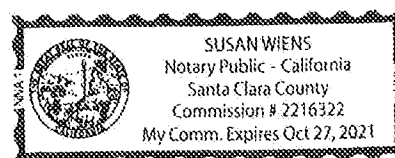
CAPACITY CLAIMED BY SIGNER  
(X) individual signing for oneself

On March 5, 2020, before me, Susan Wiens, 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.

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.

Susan Wiens  
Signature of Notary Public



**PATENT**

**REEL: 052031 FRAME: 0527**

Executed on 02/07/2020

Suresh Ramalingam  
Suresh Ramalingam

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State of California       )  
County of Santa Clara    )

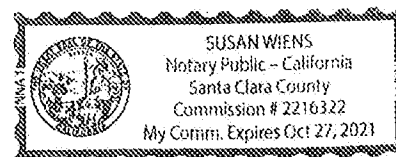
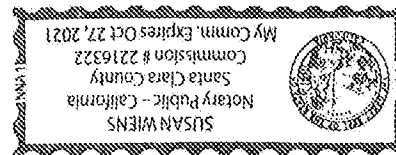
CAPACITY CLAIMED BY SIGNER  
(X) individual signing for oneself

On February 7, 2020, before me, Susan Wiens, 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.

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WITNESS my hand and official seal.

Susan Wiens  
Signature of Notary Public



Executed on 1/15/2020Boon Y. Ang

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State of California )  
County of Santa Clara )

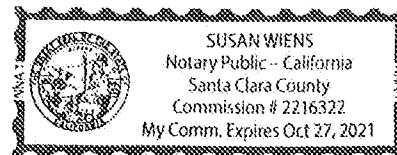
CAPACITY CLAIMED BY SIGNER  
(X) individual signing for oneself

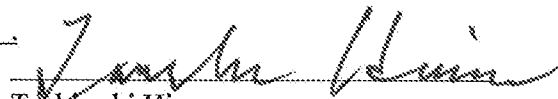
On January 15, 2020, before me, Susan Wiens, Notary Public, personally appeared Boon Y. Ang, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized 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.

Susan Wiens  
Signature of Notary Public



Executed on 2/10/2020  
Toshiyuki Hisamura

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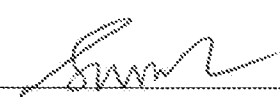
State of California )  
County of Santa Clara )CAPACITY CLAIMED BY SIGNER  
(X) individual signing for oneself

On February 10, 2020, before me, Susan Wiens, Notary Public, personally appeared Toshiyuki Hisamura, 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.

  
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Signature of Notary Public

Executed on 01/27/2020  
Suresh Parameswaran

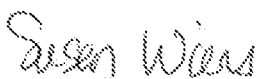
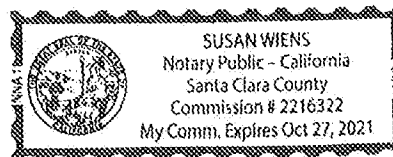
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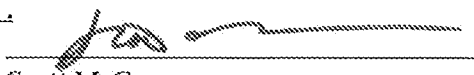
State of California       )  
County of Santa Clara    )CAPACITY CLAIMED BY SIGNER  
(X) individual signing for oneself

On January 27, 2020, before me, Susan Wiens, Notary Public, personally appeared Suresh Parameswaran, 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 of Notary Public

Executed on Jan 13, 2020  
Scott McCann

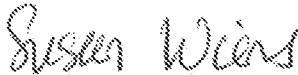
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County of Santa Clara )CAPACITY CLAIMED BY SIGNER  
(X) individual signing for oneself

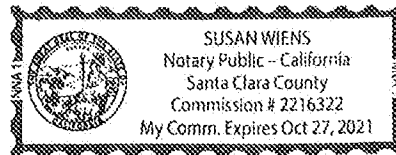
On January 13, 2020, before me, Susan Wiens, Notary Public, personally appeared Scott McCann, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their 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 of Notary Public





Executed on 02/07/20  
\_\_\_\_\_  
Hoa Lap Do

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

On February 7, 2020, before me, Susan Wiens, Notary Public, personally appeared Hoa Lap Do, 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 of Notary Public