505952871 03/05/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5999576

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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

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:	16810473

CORRESPONDENCE DATA

Fax Number: (408)371-4613

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: 4088796539

Email: nsavoca@pattersonsheridan.com,

psdocketing@pattersonsheridan.com

Correspondent Name: XILINX, INC.

Address Line 1: 2100 LOGIC DRIVE

Address Line 4: SAN JOSE, CALIFORNIA 95124

ATTORNEY DOCKET NUMBER:	X-5950 US
NAME OF SUBMITTER:	KEITH TABOADA
SIGNATURE:	/Keith Taboada/
DATE SIGNED:	03/05/2020

PATENT 505952871 REEL: 052031 FRAME: 0525

Total Attachments: 7 source=X_5950_US_Assign_efiled#page1.tif source=X_5950_US_Assign_efiled#page2.tif source=X_5950_US_Assign_efiled#page3.tif source=X_5950_US_Assign_efiled#page4.tif source=X_5950_US_Assign_efiled#page5.tif source=X_5950_US_Assign_efiled#page6.tif source=X_5950_US_Assign_efiled#page7.tif

PATENT REEL: 052031 FRAME: 0526

ASSIGNMENT

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

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

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

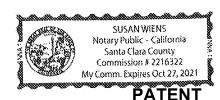
for which I/we will execute a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing 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.

named assignee, its successors and assigns.	
Executed on Mary 5/20	<u> </u>
	Gamal Refai-Ahmed
A notary public or other officer completing this certificat document to which this certificate is attached, and not t	e verifies only the identity of the individual who signed the the truthfulness, accuracy, or validity of that document.
State of California )	CAPACITY CLAIMED BY SIGNER
County of Santa Clara )	(X) individual signing for oneself
appeared <u>Gamal Refai-Ahmed</u> , who proved to n person(s) whose name(s) is/are subscribed to th he/she/they executed the same in his/her/their	Notary Public, personally ne on the basis of satisfactory evidence to be the ne within instrument and acknowledged to me that authorized capacity(ies) and that by his/her/their the entity upon behalf of which the person(s) acted,
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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



REEL: 052031 FRAME: 0527

Executed on 02/07/2023 Suresh Rappalingam

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 ______, before me, ______, 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 of Notary Public

SUSAN WIENS
Such Commission & 2216522
My Commission & 2216522
My Commission & 2216522

SUSAN WIENS
Notary Public – California
Santa Clara County
Commission # 2216322
My Comm. Expires Oct 27, 2021

Executed on	· // // // // // // // // // // // // //
	Boon Y. Ang
A notary public or other officer completing this certificate verific document to which this certificate is attached, and not the trutt	
State of California ) County of Santa Clara )	CAPACITY CLAIMED BY SIGNER (X) individual signing for oneself
On <u>January 15, 2020</u> , before me, <u>Susc</u> appeared <u>Boon y. Ang</u> , who proved to me on the basis whose name(s) is/are subscribed to the within instrume executed the same in his/her/their authorized capaciton the instrument the person(s), or the entity upon be the instrument.	of satisfactory evidence to be the person(s) nt and acknowledged to me that he/she/they ty(ies) and that by his/her/their signature(s)
I certify under PENALTY OF PERJURY under the laws paragraph is true and correct.	of the State of California that the foregoing
WITNESS my hand and official seal.	
Susen Williams  Signature of Notary Public	SUSAN WIENS Notary Public - California Santa Clara County Commission # 2216322 My Comm. Expires Oct 27, 2021

<u>orgaeu ar Counterpart</u>	Docket 100, A-0300 05
Executed on 2/10/2020	Toshiyuki Hisamura
A notary public or other officer completing this certificate ve document to which this certificate is attached, and not the t	erifies only the identity of the individual who signed the ruthfulness, accuracy, or validity of that document.
State of California ) County of Santa Clara )	CAPACITY CLAIMED BY SIGNER (X) individual signing for oneself
On	vithin instrument and acknowledged to me that thorized capacity(ies) and that by his/her/their
I certify under PENALTY OF PERJURY under the law paragraph is true and correct.	vs of the State of California that the foregoing
WITNESS my hand and official seal.	

SUSAN WIENS Notary Public - California Santa Clara County Commission # 2216322 My Comm. Expires Oct 27, 2021

Executed on 01/27/2020	÷		
	Suresh Parameswaran		
A notary public or other officer completing this certificate verifie document to which this certificate is attached, and not the truth			
State of California ) County of Santa Clara )	CAPACITY CLAIMED BY SIGNER (X) individual signing for oneself		
On			
I certify under PENALTY OF PERJURY under the laws of paragraph is true and correct.	of the State of California that the foregoing		
WITNESS my hand and official seal.			
Signature of Notary Public	SUSAN WIENS Notary Public - California Santa Clara County Commission # 2216322 My Comm. Expires Oct 27, 2021		

Signature of Notary Public

Executed on Jan 13, 2020	- Angel management of the second
	Scott McCann
A notary public or other officer completing this certificate document to which this certificate is attached, and not the	
State of California ) County of Santa Clara )	CAPACITY CLAIMED BY SIGNER (X) individual signing for oneself
appeared <u>Scott McCann</u> , who proved to me on the whose name(s) is/are subscribed to the within inst executed the same in his/her/their authorized cannot be same in his/her/their authorized cannot b	Notary Public, personally basis of satisfactory evidence to be the person(s) rument and acknowledged to me that he/she/they apacity(ies) and that by his/her/their signature(s) on behalf of which the person(s) acted, executed
I certify under PENALTY OF PERJURY under the l paragraph is true and correct.	aws of the State of California that the foregoing
WITNESS my hand and official seal.	
Susun William	SUSAN WIENS  Notary Public – California  Santa Clara County  Commission # 2216322  My Comm. Expires Oct 27, 2021

Executed on	Hoa Lap Do	
A notary public or other officer completing this certificate verificate document to which this certificate is attached, and not the trutter.		
State of California ) County of Santa Clara )	CAPACITY CLAIMED (X) individual sign	BY SIGNER ing for oneself
On The Lay 7, 2020, before me, Susan appeared Hoa Lap Do, who proved to me on the basis whose name(s) is/are subscribed to the within instrume executed the same in his/her/their authorized capaci on the instrument the person(s), or the entity upon be the instrument.	of satisfactory evidence to ent and acknowledged to me t ty(ies) and that by his/her/t	be the person(s) hat he/she/they heir signature(s)
I certify under PENALTY OF PERJURY under the laws paragraph is true and correct.	of the State of California th	at the foregoing
WITNESS my hand and official seal.		
Signature of Notary Public	SUSAN WIENS Notary Public - Californ Santa Clara County Commission # 221632 My Comm. Expires Oct 27.	nia Š