

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

EPAS ID: PAT3906891

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SABYASACHI DAS	05/27/2016
XIAOJIAN YANG	05/31/2016
NIYATI SHAH	05/31/2016
GOVINDA KESHAVDAS	05/31/2016
FREDERIC REVENU	06/03/2016
<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>	15175897
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(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>	
<b>Phone:</b>	408-879-4185
<b>Email:</b>	xilinxipl@xilinx.com
<b>Correspondent Name:</b>	XILINX, INC.
<b>Address Line 1:</b>	2100 LOGIC DR
<b>Address Line 2:</b>	ATTN: LEGAL DEPT
<b>Address Line 4:</b>	SAN JOSE, CALIFORNIA 95124
<b>ATTORNEY DOCKET NUMBER:</b>	X-4962 US
<b>NAME OF SUBMITTER:</b>	KATHERINE STOFER
<b>SIGNATURE:</b>	/Katherine Stofer/
<b>DATE SIGNED:</b>	06/07/2016
<b>Total Attachments: 6</b>	

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source=X\_4962\_US\_Assign\_efiled#page6.tif

ASSIGNMENT

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

Sabyasachi Das of 4046 Carracci Lane, San Jose, CA 95135

Xiaojian Yang of 687 Pinnacles Terrace, Sunnyvale, CA 94805

Niyati Shah of 1324 S. Winchester Boulevard, Apt. No. 11, San Jose, CA 95128

Govinda Keshavdas of 290 Miramar Avenue, Apt. No. 1, San Francisco, CA 94112

Frederic Revenu of 124 Northam Avenue, San Carlos, CA 94070

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

CIRCUIT DESIGN IMPLEMENTATION USING CONTROL-SET BASED MERGING AND MODULE-BASED REPLICATION

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 05/27/2016

Sabya Das  
Sabyasachi Das

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 )

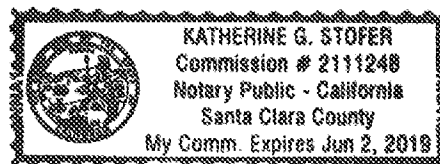
CAPACITY CLAIMED BY SIGNER  
(X) individual signing for oneself

On May 27, 2016, before me, Katherine G. Stofer, Notary Public, personally appeared Sabyasachi Das, 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.

K Stofer  
Signature of Notary Public



Executed on May 31, 2016

[Signature]  
Xiaojian Yang

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State of California )  
County of Santa Clara )

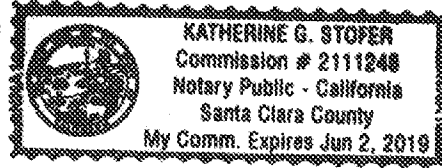
CAPACITY CLAIMED BY SIGNER  
(X) individual signing for oneself

On May 31, 2016, before me, Katherine G. Stofer, Notary Public, personally appeared Xiaojian Yang, 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 May 31, 2016

[Signature]  
Niyati Shah

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State of California )  
County of Santa Clara )

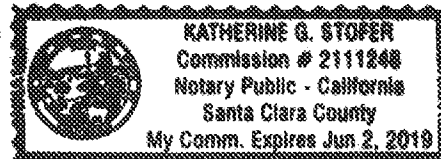
CAPACITY CLAIMED BY SIGNER  
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On May 31, 2016, before me, Katherine G. Stofer, Notary Public, personally appeared Niyati Shah, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument 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.

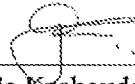
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[Signature]  
Signature of Notary Public



Executed on 05/31/2016

  
Govinda Keshavdas

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State of California )  
County of Santa Clara )

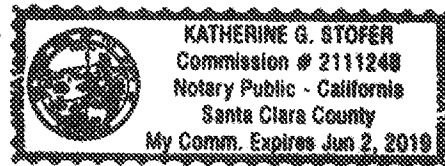
CAPACITY CLAIMED BY SIGNER  
(X) individual signing for oneself

On May 31, 2014, before me, Katherine G. Stofer, Notary Public, personally appeared Govinda Keshavdas, 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 of Notary Public



Executed on \_\_\_\_\_

Frederic Revenu

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State of )  
Country of )

CAPACITY CLAIMED BY SIGNER  
(X) individual signing for oneself

WITNESS my hand \_\_\_\_\_  
[Printed Name]

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

WITNESS my hand \_\_\_\_\_  
[Printed Name]

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

ASSIGNMENT

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

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Govinda Keshavdas of 290 Miramar Avenue, Apt. No. 1, San Francisco, CA 94112

Frederic Revenu of 124 Northam Avenue, San Carlos, CA 94070

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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 \_\_\_\_\_

\_\_\_\_\_  
Sabyasachi Das

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State of California     )  
County of Santa Clara    )

CAPACITY CLAIMED BY SIGNER  
 (X) individual signing for oneself

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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

Executed on \_\_\_\_\_

\_\_\_\_\_  
Xiaojian Yang

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State of California     )  
County of Santa Clara   )

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WITNESS my hand and official seal.

\_\_\_\_\_  
Signature of Notary Public

Executed on \_\_\_\_\_

\_\_\_\_\_  
Niyati Shah

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State of California     )  
County of Santa Clara   )

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WITNESS my hand and official seal.

\_\_\_\_\_  
Signature of Notary Public

Executed on \_\_\_\_\_

Govinda Keshavdas

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State of California )  
County of Santa Clara )

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WITNESS my hand and official seal.

\_\_\_\_\_  
Signature of Notary Public

Executed on June 3<sup>rd</sup>, 2016

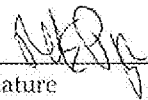
  
Frederic Revenu

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State of Leinster )  
Country of Ireland )

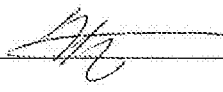
CAPACITY CLAIMED BY SIGNER  
(X) individual signing for oneself

WITNESS my hand Ronald E. Plyler  
[Printed Name]

  
Signature

June 3, 2016  
Date

WITNESS my hand Ramine Roane  
[Printed Name]

  
Signature

June 3, 2016  
Date