

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4054642

|   |                            |
|---|----------------------------|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT             |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                 |
| <b>CONVEYING PARTY DATA</b>   |                            |
| <b>Name</b>   | <b>Execution Date</b>      |
| IVAN O. MADRIGAL  | 08/15/2016                 |
| MICHAEL O. JENKINS  | 08/15/2016                 |
| HONG S. AHN   | 08/29/2016                 |
| MURTUZA S. CUTLERIWALA  | 08/29/2016                 |
| ALAN C. WONG  | 08/16/2016                 |
| CHRISTOPHER J. BORRELLI   | 09/15/2016                 |
| YOHAN FRANS   | 08/29/2016                 |
| GEOFFREY ZHANG  | 08/15/2016                 |
| HONGTAO ZHANG   | 08/15/2016                 |
| <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>              |
| Application Number:   | 15267002                   |
| <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>   | 408-879-5216               |
| <b>Email:</b>   | xilinxipl@xilinx.com       |
| <b>Correspondent Name:</b>  | XILINX, INC.               |
| <b>Address Line 1:</b>  | 2100 LOGIC DRIVE           |
| <b>Address Line 2:</b>  | ATTN: LEGAL DEPT.          |
| <b>Address Line 4:</b>  | SAN JOSE, CALIFORNIA 95124 |
| <b>ATTORNEY DOCKET NUMBER:</b>  | X-4885 US                  |
| <b>NAME OF SUBMITTER:</b>   | SUSAN WIENS                |

PATENT

|   |               |
|---|---------------|
| <b>SIGNATURE:</b>   | /susan wiens/ |
| <b>DATE SIGNED:</b>   | 09/15/2016    |
| <b>Total Attachments: 5</b><br>source=X_4885_US_Assign_efiled#page1.tif<br>source=X_4885_US_Assign_efiled#page2.tif<br>source=X_4885_US_Assign_efiled#page3.tif<br>source=X_4885_US_Assign_efiled#page4.tif<br>source=X_4885_US_Assign_efiled#page5.tif |               |

ASSIGNMENT

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

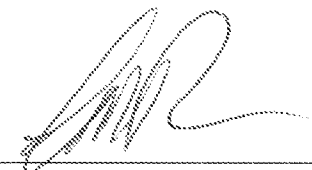
|                                |    |  |
|--------------------------------|----|--|
| <u>Ivan O. Madrigal</u>        | of | <u>241 Chalet Ave., San Jose, CA 95127</u>   |
| <u>Michael O. Jenkins</u>      | of | <u>1647 Elderberry Way, San Jose, CA 95125</u>   |
| <u>Hong S. Ahn</u>             | of | <u>4697 Torrey Pines Circle, San Jose, CA 95124</u>  |
| <u>Murtuza Z. Cutleriwala</u>  | of | <u>3484 Warburton Avenue, Apt. 14, Santa Clara, CA 95051</u> <i>422 TORTOLA WAY, SAN JOSE CA - 95133</i> |
| <u>Alan C. Wong</u>            | of | <u>1911 Sycamore Creek, San Jose, CA 95120</u>   |
| <u>Christopher J. Borrelli</u> | of | <u>84 Harrison Ave., Campbell, CA 95008</u> <i>109 Hilow Ct., Los Gatos, CA, 95032</i>                   |
| <u>Yohan Frans</u>             | of | <u>3561 Middlefield Road, Palo Alto, CA 94306</u>  |
| <u>Geoffrey Zhang</u>          | of | <u>5943 Garlough Drive, San Jose, CA 95123</u>   |
| <u>Hongtao Zhang</u>           | of | <u>4945 Alex Drive, San Jose, CA 95130</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

METHOD AND SYSTEM FOR CORRELATION OF A BEHAVIORAL MODEL TO A CIRCUIT  
REALIZATION FOR A COMMUNICATIONS SYSTEM

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 08/15/2016

  
Ivan O. Madrigal

State of California

CAPACITY CLAIMED BY SIGNER

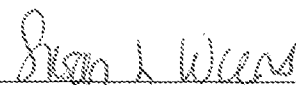
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oneself

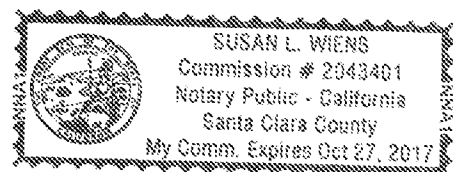
County of Santa Clara

On August 15, 2016, before me, Susan L. Wiens, Notary Public, personally appeared Ivan O. Madrigal, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person 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



Signed in Counterpart

Docket No. X-4885 US

Executed on 15 Aug 16

  
Michael O. Jenkins

State of California )

County of Santa Clara )

CAPACITY CLAIMED BY SIGNER

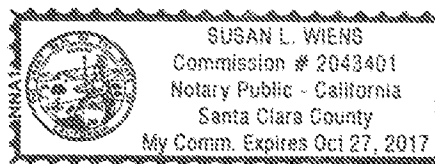
(X) individual signing for  
oneself

On August 15, 2016, before me, Susan L. Wiens, Notary Public, personally appeared Michael O. Jenkins, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

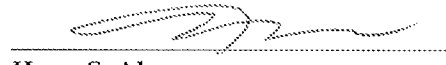
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Susan L. Wiens  
Signature of Notary Public



Executed on 8/29/2016

  
Hong S. Ahn

State of California )

County of Santa Clara )

CAPACITY CLAIMED BY SIGNER

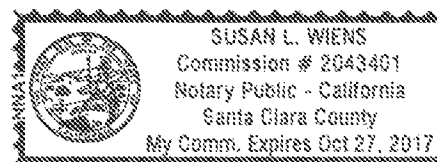
(X) individual signing for  
oneself

On August 29, 2016, before me, Susan L. Wiens, Notary Public, personally appeared Hong S. Ahn, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person 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 L. Wiens  
Signature of Notary Public



**PATENT**  
**REEL: 039760 FRAME: 0885**

Executed on 29<sup>th</sup> Aug, 2016

Murtuza S. Cutleriwala

State of California )County of Santa Clara )

CAPACITY CLAIMED BY SIGNER

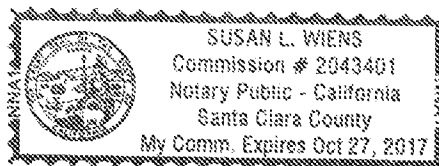
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oneself

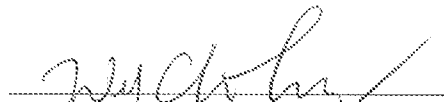
On August 29, 2016, before me, Susan L. Wiens, Notary Public, personally appeared Murtuza S. Cutleriwala, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person 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 L. Wiens  
Signature of Notary Public

Executed on 8/16/2016

  
Alan C. Wong

State of California )County of Santa Clara )

CAPACITY CLAIMED BY SIGNER

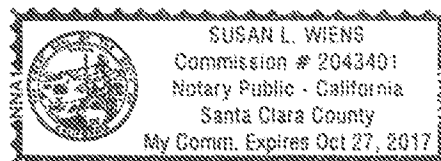
(X) individual signing for  
oneself

On August 16, 2016, before me, Susan L. Wiens, Notary Public, personally appeared Alan C. Wong, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person 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 L. Wiens  
Signature of Notary Public



Executed on 2016/09/15

Christopher J. Borrelli  
Christopher J. Borrelli

State of California )County of Santa Clara )

CAPACITY CLAIMED BY SIGNER

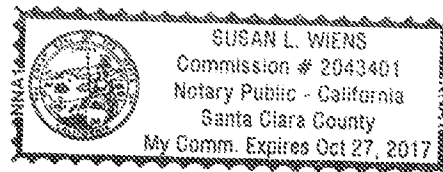
(X) individual signing for  
oneself

On September 15, 2016, before me, Susan L. Wiens, Notary Public, personally appeared Christopher J. Borrelli, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person 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 L. Wiens  
Signature of Notary Public

Executed on 8/29/2016

Yohan Frans  
Yohan Frans

State of California )County of Santa Clara )

CAPACITY CLAIMED BY SIGNER

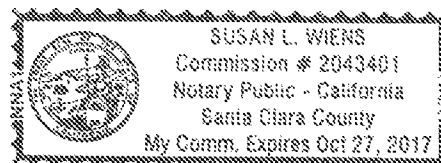
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oneself

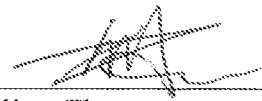
On August 29, 2016, before me, Susan L. Wiens, Notary Public, personally appeared Yohan Frans, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person 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 L. Wiens  
Signature of Notary Public



Executed on 8/15/2016
  
 \_\_\_\_\_  
 Geoffrey Zhang
State of California )

CAPACITY CLAIMED BY SIGNER

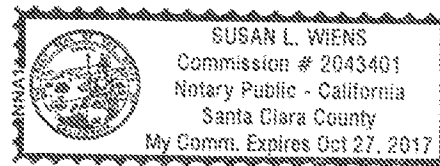

County of Santa Clara )(X) individual signing for  
oneself

On August 15, 2016, before me, \_\_\_\_\_, Notary Public, personally appeared Geoffrey Zhang, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person 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 L. Wiens  
 \_\_\_\_\_  
 Signature of Notary Public

Executed on 8/15/2016
  
 \_\_\_\_\_  
 Hongtao Zhang
State of California )

CAPACITY CLAIMED BY SIGNER

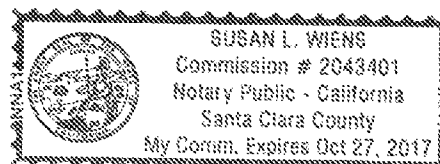
County of Santa Clara )(X) individual signing for  
oneself

On August 15, 2016, before me, \_\_\_\_\_, Notary Public, personally appeared Hongtao Zhang, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person 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 L. Wiens  
 \_\_\_\_\_  
 Signature of Notary Public

**PATENT**