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

EPAS ID: PAT3113189

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|---|----------------------------|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT             |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                 |
| <b>CONVEYING PARTY DATA</b>   |                            |
| <b>Name</b>   | <b>Execution Date</b>      |
| SUMAN KUMAR TIMMIREDDY  | 11/18/2014                 |
| HEERA NAND  | 11/18/2014                 |
| AWDHESH KUMAR SAHU  | 11/18/2014                 |
| BRENDAN M. O'HIGGINS  | 11/17/2014                 |
| DAVID A. KNOL   | 11/17/2014                 |
| SIDDHARTH RELE  | 11/18/2014                 |
| <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>  | 14546684                   |
| <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-4511 US                  |
| <b>NAME OF SUBMITTER:</b>   | SUSAN WIENS                |
| <b>SIGNATURE:</b>   | /susan wiens/              |
| <b>DATE SIGNED:</b>   | 11/18/2014                 |
| <b>Total Attachments: 4</b>   |                            |

PATENT

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ASSIGNMENT

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

Suman Kumar Timmireddy of Plot No. 50A, Pearl Village, Kondapur, Hyderabad, AP 500084, India  
Heera Nand of 4KA 293-294, Shivaji Park, Alwar, RI 301001, India  
Awdhesh Kumar Sahu of Sharak Para Rd., Kalyanpur, Deonagar, Surajpur District, CG 497333, India  
Brendan M. O'Higgins of 861 Pippin Drive, Sunnyvale, CA 94087  
David A. Knol of 1606 Morning Star Drive, Morgan Hill, CA 95037  
Siddarth Rele of A5/23, Sector-2, CBD Belapur, Navi Mumbai, MH 400614, India

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

PROGRAMMABLE IC DESIGN CREATION USING CIRCUIT BOARD DATA

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 this 18<sup>th</sup> day of NOVEMBER, 2014.

T. Suman Kumar

Suman Kumar Timmireddy

(1) WITNESS my hand PRADHEEP KUMAR MISHRA  
[Printed Name]

[Signature]  
Signature

18/11/2014  
Date

(2) WITNESS my hand SOMDUIT JAVRE  
[Printed Name]

[Signature]  
Signature

18/11/2014  
Date

Executed this 18 day of Nov, 2014.



Heera Nand

(1) WITNESS my hand PRADEEP KUMAR MISHRA  
[Printed Name]

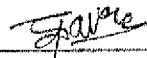


18/11/2014

Signature

Date

(2) WITNESS my hand SOMDUTT JAVRE  
[Printed Name]

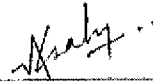


18/11/2014

Signature

Date

Executed this 18 day of Nov, 2014.



Awdhesh Kumar Sahu

(1) WITNESS my hand PRADEEP KUMAR MISHRA  
[Printed Name]



18/11/2014

Signature

Date

(2) WITNESS my hand SOMDUTT JAVRE  
[Printed Name]



18/11/2014

Signature

Date

Executed this 17 day of November, 2014.

*Brendan M. O'Higgins*  
Brendan M. O'Higgins

State of California )

CAPACITY CLAIMED BY SIGNER  
(X) individual signing for  
oneself

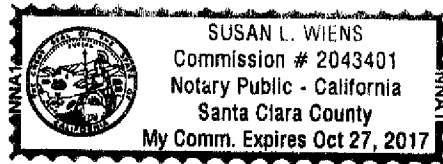
County of Santa Clara )

On November 17, 2014, before me, Susan L. Wiens, Notary Public, personally appeared Brendan M. O'Higgins, 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 this 17<sup>th</sup> day of NOVEMBER, 2014.

*David A. Knol*  
David A. Knol

State of California )

CAPACITY CLAIMED BY SIGNER  
(X) individual signing for  
oneself

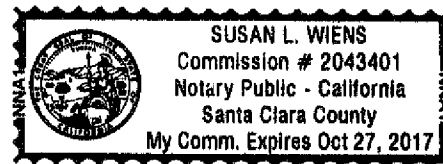
County of Santa Clara )

On November 17, 2014, before me, Susan L. Wiens, Notary Public, personally appeared David A. Knol, 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




Signed in Counterpart

Docket No. X-4511 US

Executed this 18 day of November, 2014.

  
Siddharth Rele

(1) WITNESS my hand PRADEEP KUMAR MISHRA  
[Printed Name]

  
Signature 18/11/2014  
Date

(2) WITNESS my hand SOMDUTT JAVRE  
[Printed Name]

  
Signature 18/11/2014  
Date