

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2584615

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>DAVID K. LIDDELL</td> <td>10/16/2013</td> </tr> <tr> <td>FENG CAI</td> <td>10/16/2013</td> </tr> <tr> <td>SAIKAT BANDYOPADHYAY</td> <td>10/18/2013</td> </tr> </tbody> </table>		Name	Execution Date	DAVID K. LIDDELL	10/16/2013	FENG CAI	10/16/2013	SAIKAT BANDYOPADHYAY	10/18/2013
Name	Execution Date								
DAVID K. LIDDELL	10/16/2013								
FENG CAI	10/16/2013								
SAIKAT BANDYOPADHYAY	10/18/2013								
RECEIVING PARTY DATA									
Name:	XILINX, INC.								
Street Address:	2100 LOGIC DRIVE								
City:	SAN JOSE								
State/Country:	CALIFORNIA								
Postal Code:	95124								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14058505</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14058505				
Property Type	Number								
Application Number:	14058505								
CORRESPONDENCE DATA									
Fax Number:	(408)371-4613								
Phone:	408-879-5216								
Email:	xilinxipl@xilinx.com								
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>									
Correspondent Name:	XILINX, INC.								
Address Line 1:	2100 LOGIC DRIVE								
Address Line 2:	ATTN: LEGAL DEPT.								
Address Line 4:	SAN JOSE, CALIFORNIA 95124								
ATTORNEY DOCKET NUMBER:	X-4241 US								
NAME OF SUBMITTER:	SUSAN WIENS								
Signature:	/susan wiens/								

Date:

10/21/2013

**Total Attachments: 3**

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ASSIGNMENT

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

David K. Liddell of 4024 Portofino Drive, Longmont, CO 80503
Feng Cai of 950 Grandview Meadows Drive #1207, Longmont, CO 80503
Saikat Bandyopadhyay of B-4/1-B Space Town, VIP Road, Kolkata, WB 70052 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

SIMULATION OF A CIRCUIT DESIGN BLOCK USING PATTERN MATCHING

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 16th day of October, 2013.

David K. Liddell
David K. Liddell

State of Colorado )
County of Boulder )

CAPACITY CLAIMED BY SIGNER
(X) individual signing for oneself

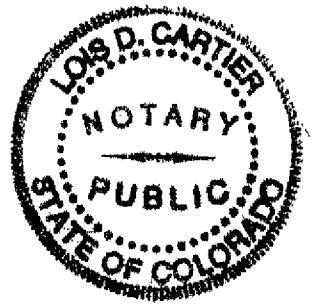
On October 16, 2013, before me, Lois D. Cartier, Notary Public, personally appeared David K. Liddell, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his 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.

WITNESS my hand and official seal.

Signature of Notary Public

LOIS D CARTIER
Notary Public
State Of Colorado

My Commission Expires 04/14/2016



Executed this 16 day of October, 2013.

Feng Cai  
Feng Cai

State of Colorado )

CAPACITY CLAIMED BY SIGNER

County of Boulder )

(X) individual signing for oneself

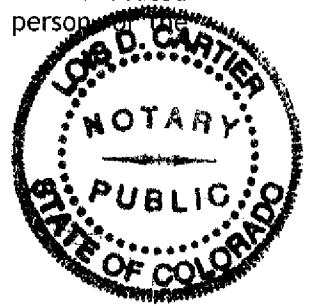
On October 16, 2013, before me, Lois D. Cartier, Notary Public, personally appeared Feng Cai, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Lois D. Cartier  
Signature of Notary Public

**LOIS D CARTIER**  
Notary Public  
State Of Colorado

My Commission Expires 04/14/2016



Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2013.

\_\_\_\_\_  
Saikat Bandyopadhyay

CAPACITY CLAIMED BY SIGNER

(x) individual signing for oneself

(1) WITNESS my hand \_\_\_\_\_

[Printed Name]

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

(2) WITNESS my hand \_\_\_\_\_

[Printed Name]

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Signed in Courtroom

Docket No. X-4241 US

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2013.

Feng Cai

State of Colorado

CAPACITY CLAIMED BY SIGNER

(X) Individual signing for oneself

County of Boulder

On \_\_\_\_\_ before me, Lois D. Cartier, Notary Public, personally appeared Feng Cai, personally known to me (or 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.

WITNESS my hand and official seal.

Signature of Notary Public

Executed this \_\_\_\_\_ day of 18th Oct, 2013.

Saikat Banerjee

CAPACITY CLAIMED BY SIGNER

(x) Individual signing for oneself

(1) WITNESS my hand

[Printed Name]

Rakesh Malik  
Signature

Rakesh Malik

Date 18/10/2013

(2) WITNESS my hand

[Printed Name]

Jeema Sinha  
Signature

Jeema Sinha  
Date

18/10/2013