

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| 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>Subodh Kumar</td><td>01/23/2009</td></tr><tr><td>Weiguang Lu</td><td>01/23/2009</td></tr></tbody></table> | Name                               | Execution Date | Subodh Kumar        | 01/23/2009 | Weiguang Lu | 01/23/2009 |  |
| Name   | Execution Date                     |                |                     |            |             |            |  |
| Subodh Kumar   | 01/23/2009                         |                |                     |            |             |            |  |
| Weiguang Lu  | 01/23/2009                         |                |                     |            |             |            |  |
| 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>12359212</td></tr></tbody></table>   | Property Type                      | Number         | Application Number: | 12359212   |             |            |  |
| Property Type  | Number                             |                |                     |            |             |            |  |
| Application Number:  | 12359212                           |                |                     |            |             |            |  |
| CORRESPONDENCE DATA  |                                    |                |                     |            |             |            |  |
| Fax Number:  | (408)377-6137                      |                |                     |            |             |            |  |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>   |                                    |                |                     |            |             |            |  |
| Phone:   | 408-879-4488                       |                |                     |            |             |            |  |
| Email:   | katie.stofer@xilinx.com            |                |                     |            |             |            |  |
| Correspondent Name:  | XILINX, INC ATTN: LEGAL DEPARTMENT |                |                     |            |             |            |  |
| Address Line 1:  | 2100 LOGIC DR                      |                |                     |            |             |            |  |
| Address Line 4:  | SAN JOSE, CALIFORNIA 95124         |                |                     |            |             |            |  |
| ATTORNEY DOCKET NUMBER:  | X-2985 US                          |                |                     |            |             |            |  |
| NAME OF SUBMITTER:   | Thomas George                      |                |                     |            |             |            |  |
| Total Attachments: 2<br>source=X2985_US_Assignment_eFiled#page1.tif<br>source=X2985_US_Assignment_eFiled#page2.tif   |                                    |                |                     |            |             |            |  |

CH \$40.00 12359212

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PATENT  
REEL: 022150 FRAME: 0916

ASSIGNMENT

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

Subodh Kumar of 3410 Glenprosen Court, San Jose, CA 95148

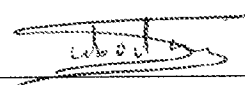
Weiguang Lu of 3043 Vin Grande Court, San Jose, CA 95135

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 invention

## A CIRCUIT FOR AND METHOD OF REPAIRING DEFECTIVE MEMORY

for which I 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 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; I 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 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 23 day of January, 2009

  
Subodh Kumar

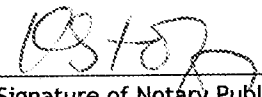
State of California )  
County of Santa Clara )

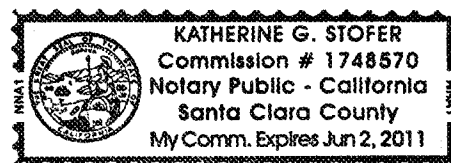
CAPACITY CLAIMED BY SIGNER  
(X) individual signing for oneself

On January 23, 2009, before me, Katherine G. Stofer, Notary Public, personally appeared Subodh Kumar, 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



Executed this 23 day of January, 2009. 

Executed this 23 day of Jan, 2009

Weiguang Lu  
Weiguang Lu

State of California )  
County of Santa Clara )

CAPACITY CLAIMED BY SIGNER  
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On January 23, 2009, before me, Katherine G. Stofer, Notary Public, personally appeared Weiguang Lu, 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.

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KStofer  
Signature of Notary Public

