

# PATENT ASSIGNMENT

Electronic Version v1.1

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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>      |
| Jorn W. Janneck   | 06/19/2009                 |
| Christopher H. Dick   | 06/19/2009                 |
| <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>  | 12488171                   |
| <b>CORRESPONDENCE DATA</b>  |                            |
| <b>Fax Number:</b>  | (408)377-6137              |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>                                  |                            |
| <b>Phone:</b>   | 408-879-5216               |
| <b>Email:</b>   | susan.wiens@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-3136 US                  |
| <b>NAME OF SUBMITTER:</b>   | Susan Wiens                |
| <b>Total Attachments: 2</b><br>source=X_3136_US_Assign_e filed#page1.tif<br>source=X_3136_US_Assign_e filed#page2.tif |                            |

CH \$40.00 12488171

**500891047**

**PATENT**  
**REEL: 022850 FRAME: 0923**

ASSIGNMENT

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

Jorn W. Janneck of 5399 Landau Ct., San Jose, CA 95123  
Christopher H. Dick of 5979 Pala Mesa Dr., San Jose, CA 95123

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

GENERATING FACTORIZATION PERMUTATIONS OF NATURAL NUMBERS  
AND PERFORMING CIRCUIT DESIGN EXPLORATION

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 19<sup>th</sup> day of June, 2009.

Jorn W. Janneck  
Jorn W. Janneck

State of California )

County of Santa Clara )

CAPACITY CLAIMED BY SIGNER

(X) individual signing for  
oneself

On June 19, 2009, before me, Susan L. Wiens, Notary Public, personally appeared Jorn W. Janneck, 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.

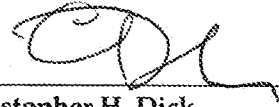
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Susan L. Wiens  
Signature of Notary Public



Executed this 19 day of June, 2009.



Christopher H. Dick

State of California )

County of Santa Clara )

CAPACITY CLAIMED BY SIGNER

(X) individual signing for  
oneself

On June 19, 2009, before me, Susan L. Wiens, Notary Public, personally appeared Christopher H. Dick, 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

