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12-30-2004

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To the Honorable Commissioner of Pat

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Jonathan B. Ballagh; L. James Hwang; Roger B. Milne; Nabeel Shirazi; Jeffrey D. Stroomer

2. Name and address of receiving party(ies):

Name: Xilinx, Inc.

Internal Address: \_\_\_\_\_

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherStreet Address: 2100 Logic DriveCity: San Jose State: California Zip: 95124Execution Date: 11-18/19-2004 & 12-13-2004Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the filing date of the application is: 12-16-04

A. Patent Application No.(s)

Jonathan B. Ballagh; L. James Hwang; Roger B. Milne; Nabeel Shirazi; Jeffrey D. Stroomer  
"Hardware-Based Co-Simulation on a PLD Having an Embedded Processor"

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: KIM KANZAKIInternal Address: Xilinx, Inc.Street Address: 2100 Logic DriveCity: San Jose State: California Zip: 951246. Total number of applications and patents involved: one7. Total fee (37 CFR 3.41):.....\$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account8. Deposit Account Number: 24-0040

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*KIM KANZAKI, 37,652

Name of Person Signing

Signature

December 16, 2004

Date

PBS

Total number of pages including cover sheet, attachments, and document: [ 04 ]

Mail documents to be recorded with required cover sheet information to

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ASSIGNMENT

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

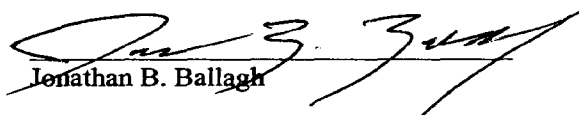
<u>Jonathan B. Ballagh</u>	of	<u>1537 Goshawk Drive, Longmont, CO 80501</u>
<u>L. James Hwang</u>	of	<u>2120 Camino de los Robles, Menlo Park, CA 94025</u>
<u>Roger B. Milne</u>	of	<u>2183 Kincaid Place, Boulder, CO 80304</u>
<u>Nabeel Shirazi</u>	of	<u>1318 Chandon Court, San Jose, CA 95125</u>
<u>Jeffrey D. Stroemer</u>	of	<u>2330 High Lonesome Trail, Lafayette, CO 80026</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 our invention

HARDWARE-BASED CO-SIMULATION ON A PLD  
HAVING AN EMBEDDED PROCESSOR

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 day of NOVEMBER, 2004.

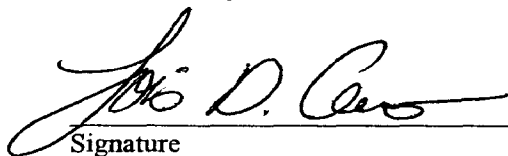
  
Jonathan B. Ballagh

State of Colorado )  
County of Boulder )

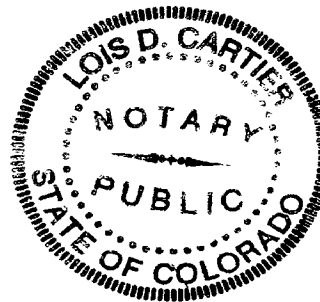
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[ X ] oneself/themselves

On November 18, 2004 before me, Lois D. Cartier, Notary Public, personally appeared Jonathan B. Ballagh [ ] 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/she executed the same in his her authorized capacity, and that by his her 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

**Lois D. Cartier, Notary Public**  
State of Colorado  
My Commission Expires 4/14/2008



Executed this 13<sup>th</sup> day of December, 2004.

Nabeel Shirazi  
Nabeel Shirazi

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County of Santa Clara )

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On December 13, 2004 before me, Pat Slaback, Notary Public, personally appeared Nabeel Shirazi [ ] personally known to me --or -- [X] 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/she executed the same in his/her authorized capacity, and that by his/her 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.

Pat Slaback  
Signature



Executed this 18 day of November, 2004.

Jeffrey D. Stroomer  
Jeffrey D. Stroomer

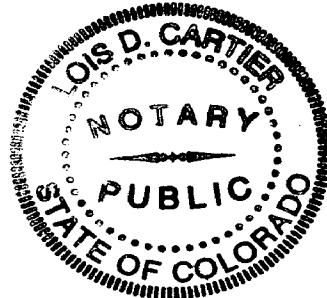
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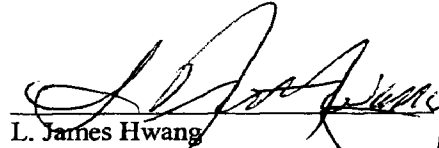
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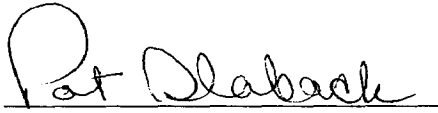
  
L. James Hwang

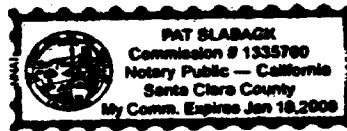
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WITNESS my hand and official seal.

  
Signature



Executed this 18 day of November, 2004.


  
Roger B. Milne

State of Colorado )  
County of Boulder )

CAPACITY CLAIMED BY SIGNER  
[ X ] oneself/themselves

On November 18, 2004 before me, Lois D. Cartier, Notary Public, personally appeared Roger B. Milne [ ] personally known to me --or -- [X] 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~~ she executed the same in ~~his~~ her authorized capacity, and that by ~~his~~ her 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

Lois D. Cartier, Notary Public  
State of Colorado  
My Commission Expires 4/14/2008

