

10-31-2003

X-1264 US

U.S. DEPARTMENT OF COMMERCE
Patent Office



To the Honorable Commissioner of Patents and Trade

102589855

ements or copy thereof.

16834 U.S. PTO
10/691343

102103

1. Name of conveying party(ies):
Jonathan B. Ballagh; Roger Brent Milne; Jeffrey D. Stroomer;
L. James Hwang; Nabeel Shirazi.

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

Name: Xilinx, Inc.

Internal Address: _____

Additional name(s) of conveying party(ies) attached? [] Yes [X] No

3. Nature of Conveyance:

- ☒ [X] Assignment [] Merger
[] Security Agreement [] Change of Name
[] Other

Street Address: 2100 Logic Drive

City: San Jose State: California Zip: 95124

Execution Date: 10/16/03, 10/17/03, 10/20/03

Additional name(s) & address(es) attached? [] Yes [X] 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: 10/21/03

A. Patent Application No.(s) 10691343

B. Patent No.(s)

New Patent Application Entitled:
"METHOD OF SIMULATING BIDIRECTIONAL SIGNALS
IN A MODELING SYSTEM"

Additional numbers attached? [] Yes [X] No

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

Name: JUSTIN LIU

Internal Address: Xilinx, Inc.

Street Address: 2100 Logic Drive

City: San Jose State: California Zip: 95124

6. Total number of applications and patents involved: One

7. Total fee (37 CFR 3.41):.....\$ 40.00

[] Enclosed

[X] Authorized to be charged to deposit account

8. Deposit Account Number: 24-0040

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

DO NOT USE THIS SPACE

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.

JUSTIN LIU, 51,959

Name of Person Signing


Signature

October 21, 2003

Date

Total number of pages including cover sheet, attachments, and document: [5]

JAM

Mail documents to be recorded with required cover sheet information to

Commissioner for Patents, Mail Stop: Assignments
Alexandria, Virginia 22313-1450

PATENT
REEL: 014633 FRAME: 0705

ASSIGNMENT

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

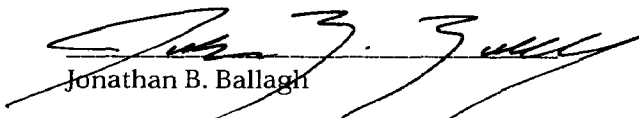
<u>Jonathan B. Ballagh</u>	of	<u>1537 Goshawk Drive, Longmont, Colorado 80501</u>
<u>Roger Brent Milne</u>	of	<u>2183 Kincaid Place, Boulder, Colorado 80304</u>
<u>Jeffrey D. Stroomer</u>	of	<u>2330 High Lonesome Trail, Lafayette, Colorado 80026</u>
<u>L. James Hwang</u>	of	<u>2120 Camino Del Los Robles, Menlo Park, California 94025</u>
<u>Nabeel Shirazi</u>	of	<u>1318 Chandon Court, San Jose, California 95125</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

METHOD OF SIMULATING BIDIRECTIONAL SIGNALS
IN A MODELING SYSTEM

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 17th day of October 2003.


Jonathan B. Ballagh

State of Colorado)
County of Boulder)

CAPACITY CLAIMED BY SIGNER
[X] oneself/themselves

On October 17, 2003 before me, Joan Chiasson,
Notary Public, personally appeared Jonathan B. Ballagh [] personally known to me --or-- ☒ I 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.

Signed in Counterpart

Docket No. X-1264 US

Joan Chiasson
Signature
**My Commission Expires
March 30, 2005**



Executed this 17th day of October 2003.

Roger Brent Milne
Roger Brent Milne

State of Colorado
County of Boulder

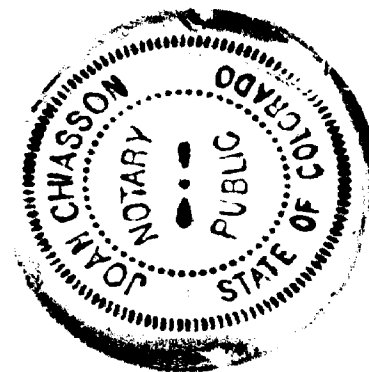
CAPACITY CLAIMED BY SIGNER
[X] oneself/themselves

On October 17, 2003 before me, Joan Chiasson
Notary Public, personally appeared Roger Brent Milne [] 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.

Joan Chiasson
Signature

**My Commission Expires
March 30, 2005**



Executed this 17th day of October 2003.

Jeffrey D. Stroomer
Jeffrey D. Stroomer

State of Colorado
County of Boulder

CAPACITY CLAIMED BY SIGNER
[X] oneself/themselves

On October 17, 2003 before me, Joan Chiasson
Notary Public, personally appeared Jeffrey D. Stroomer [] 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.

Joan Chasson
Signature

**My Commission Expires
March 30, 2005**



Executed this _____ day of October 2003.

L. James Hwang

State of California)
County of Santa Clara)

CAPACITY CLAIMED BY SIGNER
[X] oneself/themselves

On _____ before me, Julie Matthews, Notary Public,
personally appeared L. James Hwang [] 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

Executed this _____ day of October 2003.

Nabeel Shirazi

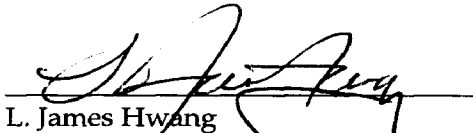
State of California)
County of Santa Clara)

CAPACITY CLAIMED BY SIGNER
[X] oneself/themselves

On _____ before me, Julie Matthews, Notary Public,
personally appeared Nabeel Shirazi [] 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.

Executed this 16th day of October 2003.

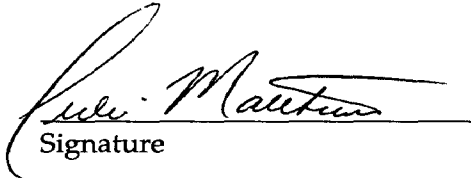

L. James Hwang

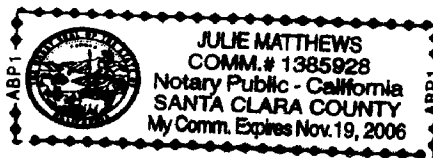
State of California)
County of Santa Clara)

CAPACITY CLAIMED BY SIGNER
[X] oneself/themselves

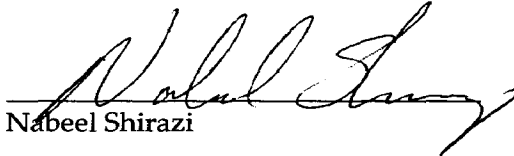
On October 16, 2003 before me, Julie Matthews, Notary Public, personally appeared L. James Hwang [X] proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, 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



Executed this 20th day of October 2003.

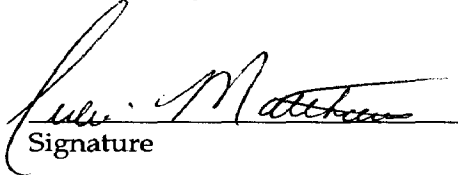

Nabeel Shirazi

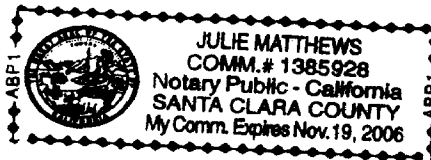
State of California)
County of Santa Clara)

CAPACITY CLAIMED BY SIGNER
[X] oneself/themselves

On Oct 20, 2003 before me, Julie Matthews, Notary Public, personally appeared Nabeel Shirazi [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



JL:jam