
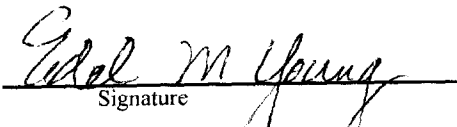


<div style="font-size: 24pt; font-weight: bold; margin-bottom: 10px;">1-15-02</div> <div style="display: flex; justify-content: space-between;"> <div> FORM PTO-1595 6-93 OMB-No. 0651-0011 (exp. 4/94) </div> <div style="text-align: center;"> conf no: <div style="font-size: 24pt; font-weight: bold;">01-24-2002</div>  <div style="font-size: 24pt; font-weight: bold;">101962643</div> </div> <div style="text-align: right;"> X-894 US U.S. DEPARTMENT OF COMMERCE Patent Office </div> </div>	
To the Honorable Commissioner of Patents :	
1. Name of conveying party(ies): Jack Siu Cheung Lo, Shankar Lakkapragada, Shi-dong Zhou Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Name: Xilinx, Inc. Internal Address: _____ Street Address: 2100 Logic Drive City: San Jose State: California Zip: 95124 Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of Conveyance: <div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger </div> <div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name </div> <div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> Other </div> Execution Date: 5/25/01 and 6/4/01	
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: _____ <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> A. Patent Application No.(s) U.S. Serial No. 09/865,871 filed 5/25/01 Document ID No.: 101835556 </div> <div style="width: 45%;"> B. Patent No.(s) <div style="text-align: right; font-size: 24pt; font-weight: bold;">15</div> </div> </div> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: EDEL M. YOUNG 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 <div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account </div> 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. <i>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.</i>	
EDEL M. YOUNG, 32,451 Name of Person Signing	<div style="text-align: center;">  Signature </div> <div style="text-align: right; padding-right: 50px;"> December 12, 2001 Date </div>
Total number of pages including cover sheet, attachments, and document: [3]	

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Mail documents to be recorded with required cover sheet information to
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 Washington, D. C. 20231

PATENT
 REEL: 012487 FRAME: 0174

conf no:

X-894 US

FORM PTO-1095
6-93

OMB No. 0651-0011 (exp. 4/94)

RECORD

AUG 27 2001

PA

U.S. DEPARTMENT OF COMMERCE
Patent Office

09-07-2001



101835556

To the Honorable Commissioner of Patents and Trade

Documents or copy thereof.

1. Name of conveying party(ies):

Jack Siu Cheung Lo, Shankar Lakkapragada, Shi-dong Zhou

827-01

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

3. Nature of Conveyance:

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

Execution Date: 5/25/01

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

Name: Xilinx, Inc.

Internal Address:

Street Address: 2100 Logic Drive

City: San Jose State: California Zip: 95124

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:

5/25/01

A. Patent Application No.(s)

New Patent Application entitled: Pulse Generator with
Polarity Control

B. Patent No.(s)

Additional numbers attached? [] Yes [X] No

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

Name: EDEL M. YOUNG

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.

EDEL M. YOUNG, 32,451

Name of Person Signing

Signature

August 22, 2001

Date

Total number of pages including cover sheet, attachments, and document: [3]

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YOUNG E

Commissioner for Patents, Box Assignments

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40.00 CH

Washington, D. C. 20231

PATENT
REEL: 012487 FRAME: 0175

ASSIGNMENT

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

Jack Siu Cheung Lo of 1885 Sheri Ann Circle, San Jose, CA 95131
Shankar Lakkapragada of 1801 Canal Way, San Jose, CA 95132
Shi-dong Zhou of 1029 Nicklaus Avenue, Milpitas, CA 95035

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

PULSE GENERATOR WITH POLARITY CONTROL

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 25 day of May, 2001.

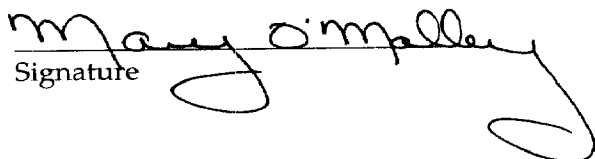

 Jack Siu Cheung Lo

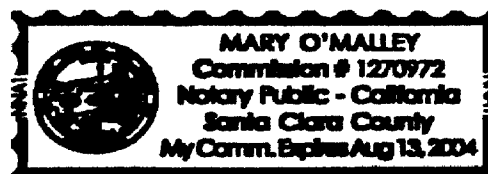
State of California)
 County of Santa Clara)

CAPACITY CLAIMED BY SIGNER
 [X] oneself/themselves

On May 25, 2001 before me, Mary O'Malley, Notary Public, personally appeared Jack Siu Cheung Lo ☐ 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



Executed this 4th day of June, 2001.

Shankar Lakkapragada
Shankar Lakkapragada

State of California)
County of Santa Clara)

CAPACITY CLAIMED BY SIGNER
[X] oneself/themselves

On June 4, 2001 before me, Mary O'Malley, Notary Public, personally appeared Shankar Lakkapragada ~~[] 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.

Mary O'Malley
Signature



Executed this 25 day of MAY, 2001.

Shi-dong Zhou
Shi-dong Zhou

State of California)
County of Santa Clara)

CAPACITY CLAIMED BY SIGNER
[X] oneself/themselves

On May 25, 2001 before me, Mary O'Malley, Notary Public, personally appeared Shi-dong Zhou ~~[] 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.

Mary O'Malley
Signature



EMY:mom

ASSIGNMENT

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

Jack Siu Cheung Lo of 1885 Sheri Ann Circle, San Jose, CA 95131
Shankar Lakkapragada of 1801 Canal Way, San Jose, CA 95132
Shi-dong Zhou of 1029 Nicklaus Avenue, Milpitas, CA 95035

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

PULSE GENERATOR WITH POLARITY CONTROL

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 25 day of May, 2001.

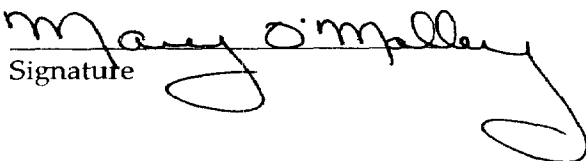

 Jack Siu Cheung Lo

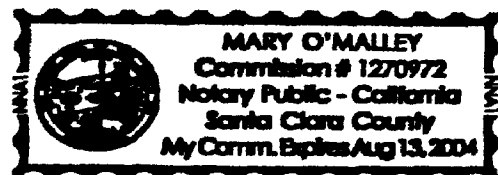
State of California)
 County of Santa Clara)

CAPACITY CLAIMED BY SIGNER
☒ oneself/themselves

On May 25, 2001 before me, Mary O'Malley, Notary Public, personally appeared Jack Siu Cheung Lo ~~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



Executed this 4th day of June, 2001.

Shankar Lakkapragada
Shankar Lakkapragada

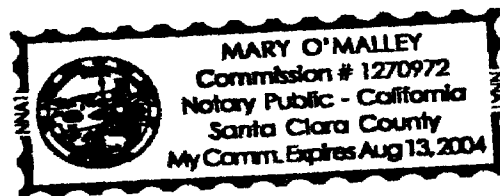
State of California)
County of Santa Clara)

CAPACITY CLAIMED BY SIGNER
[X] oneself/themselves

On June 4, 2001 before me, Mary O'Malley, Notary Public, personally appeared Shankar Lakkapragada ~~[] 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.

Mary O'Malley
Signature



Executed this 25 day of MAY, 2001.

Shi-dong Zhou
Shi-dong Zhou

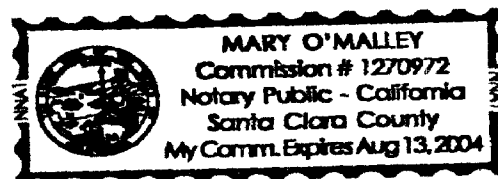
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WITNESS my hand and official seal.

Mary O'Malley
Signature



EMY:mom