

X-1644-4 US

FORM PTO-1595 6-93 OMB No. 0651-0011 (exp. 4/94)		RI	05-12-2004	T	U.S. DEPARTMENT OF COMMERCE Patent Office
To the Honorable Commissioner of Patents		102743335		original documents or copy thereof.	
1. Name of conveying party(ies): Wayson, J. Lowe; Eunice Y.D. Hao; Tony K. Ngai; Peter H. Alfke S. 10-04 Additional name(s) of conveying party(ies) attached? [] Yes [X] No		2. Name and address of receiving party(ies): Name: <u>Xilinx, Inc.</u> Internal Address: _____ Street Address: <u>2100 Logic Drive</u> City: <u>San Jose</u> State: <u>California</u> Zip: <u>95124</u> Additional name(s) & address(es) attached? [] Yes [X] No			
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution Date: <u>05-03 & 4 2004</u>		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: <u>05-04-04</u> A. Patent Application No.(s) <u>10/838,965</u> Wayson J. Lowe; Eunice Y.D. Hao; Tony K. Ngai; Peter H. Alfke "Method and System for Gray-Coding Counting" 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: <u>KIM KANZAKI</u> Internal Address: <u>Xilinx, Inc.</u> Street Address: <u>2100 Logic Drive</u> City: <u>San Jose</u> State: <u>California</u> Zip: <u>95124</u>		6. Total number of applications and patents involved: <u>one</u> 7. Total fee (37 CFR 3.41):.....\$ <u>40.00</u> [] Enclosed [X] Authorized to be charged to deposit account 8. Deposit Account Number: <u>24-0040</u> (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> <u>KIM KANZAKI, 37,652</u> <u>[Signature]</u> <u>May 4, 2004</u> Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and document: [04]					

OPR/ENHANCE
MAY 10 AM 9:00

05/11/2004 DBYRNE 00000040 240040 KANZAKI K
01 FC:8021 40.00 DA

Mail documents to be recorded with required cover sheet information to

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

700132236

PATENT
REEL: 015390 FRAME: 0312

Docket No. X-1644-4 US

ASSIGNMENT

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

<u>Wayson J. Lowe</u>	of	<u>101 London Lane, Belmont, CA 94002</u>
<u>Eunice Y.D. Hao</u>	of	<u>20277 Kilbride Drive, Saratoga, CA 95070</u>
<u>Tony K. Ngai</u>	of	<u>19058 Bonnet Way, Saratoga, CA 95070</u>
<u>Peter H. Alfke</u>	of	<u>25251 La Rena Lane, Los Altos Hills, CA 94022</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 AND SYSTEM FOR GRAY-CODING COUNTING

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 3rd day of May, 2004.

Wayson Lowe
Wayson J. Lowe

State of California
County of Santa Clara

CAPACITY CLAIMED BY SIGNER
 oneself/themselves

On May 3, 2004 before me, Pat Slaback, Notary Public, personally appeared Wayson J. Lowe [] 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



Docket No. X-1644-4 US

Executed this 3rd day of May, 2004.

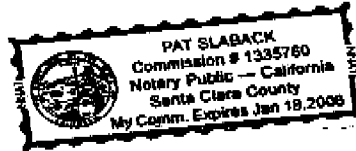
Eunice Y. D. Hao
Eunice Y.D. Hao

State of California)
County of Santa Clara)

CAPACITY CLAIMED BY SIGNER
 oneself/themselves

On May 3, 2004 before me, Pat Slaback, Notary Public, personally appeared Eunice Y.D. Hao [] 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.



Pat Slaback
Signature

Executed this 3rd day of May, 2004.

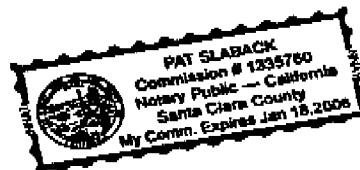
Tony K. Ngai
Tony K. Ngai

State of California)
County of Santa Clara)

CAPACITY CLAIMED BY SIGNER
 oneself/themselves

On May 3, 2004 before me, Pat Slaback, Notary Public, personally appeared Tony K. Ngai [] 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.

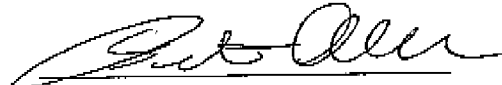
WITNESS my hand and official seal.



Pat Slaback
Signature

Docket No. X-1644-4 US

Executed this 4th day of May, 2004.

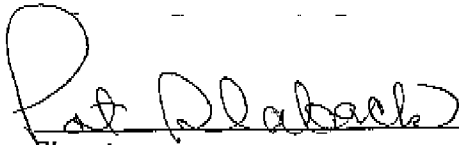

Peter H. Alfke

State of California)
County of Santa Clara)

CAPACITY CLAIMED BY SIGNER
 oneself/themselves

On May 4, 2004 before me, Pat Slaback, Notary Public, personally appeared Peter H. Alfke [] 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



KK:pbs

X-1644-4



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

NOV 09 2004

OCTOBER 29, 2004

PTAS



102743335A

XILINX, INC.
KIM KANZAKI
2100 LOGIC DRIVE
SAN JOSE, CA 95124

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF NON-RECORDATION OF DOCUMENT

DOCUMENT ID NO.: 102743335

THE ENCLOSED DOCUMENT HAS BEEN EXAMINED AND FOUND NON-RECORDABLE BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. THE REASON(S) FOR NON-RECORDATION ARE STATED BELOW. DOCUMENTS BEING RESUBMITTED FOR RECORDATION MUST BE ACCOMPANIED BY A NEW COVER SHEET REFLECTING THE CORRECT INFORMATION TO BE RECORDED AND THE DOCUMENT ID NUMBER REFERENCED ABOVE.

THE ORIGINAL DATE OF FILING OF THIS ASSIGNMENT DOCUMENT WILL BE MAINTAINED IF RESUBMITTED WITH THE APPROPRIATE CORRECTION(S) WITHIN 30 DAYS FROM THE DATE OF THIS NOTICE AS OUTLINED UNDER 37 CFR 3.51. THE RESUBMITTED DOCUMENT MUST INCLUDE A STAMP WITH THE OFFICIAL DATE OF RECEIPT UNDER 37 CFR 3. APPLICANTS MAY USE THE CERTIFIED PROCEDURES UNDER 37 CFR 1.8 OR 1.10 FOR RESUBMISSION OF THE RETURNED PAPERS, IF THEY DESIRE TO HAVE THE BENEFIT OF THE DATE OF DEPOSIT IN THE UNITED STATES POSTAL SERVICE.

SEND DOCUMENTS TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231. IF YOU HAVE ANY QUESTIONS REGARDING THIS NOTICE, YOU MAY CONTACT THE INDIVIDUAL WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.

- 1. THE COVER SHEET SUBMITTED FOR RECORDING DOES NOT ADEQUATELY IDENTIFY THE PROPERTY NUMBER(S). THE APPLICATION NUMBER AND SERIES CODE OR THE SERIAL NUMBER AND FILING DATE IS REQUIRED.

PAULA MCCRAY, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

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INTELL. PROP. DEPT.
XILINX, INC.