

9/11/03

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

09-22-2003

EET U.S. DEPARTMENT OF COMMERCE  
Patent Office



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To the Honorable Commissioner of Patents

and original documents or copy thereof.

22264 U.S. PTO  
10/659803  
09/11/03

1. Name of conveying party(ies):  
William C. Black; Charles W. Boecker; Eric D. Groen

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:

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

Street Address: 2100 Logic Drive

City: San Jose State: California Zip: 95124

Execution Date: 07-22 & 24-2003

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: 09-22-03

A. Patent Application No.(s)

William C. Black; Charles W. Boecker; Eric D. Groen  
"Analog Front-End Having Built-In Equalization and Applications Thereof"

B. Patent No.(s)

101659803

Additional numbers attached? [ ] Yes [X] No

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

Name: KIM KANZAKI

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)

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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

September 11, 2003

Date

Total number of pages including cover sheet, attachments, and document: [ 03]

PBS

Mail documents to be recorded with required cover sheet information to

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

09/11/2003 6TON11 00000005 240040 10659803

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PATENT  
REEL: 014496 FRAME: 0925

ASSIGNMENT

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

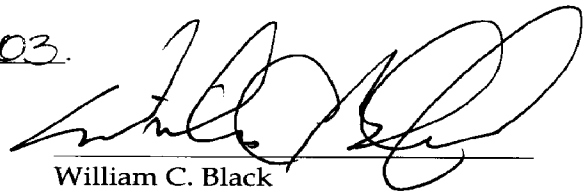
<u>William C. Black</u>	of	<u>533 193 St., Ames, Iowa 50010</u>
<u>Charles W. Boecker</u>	of	<u>809 Crystal Street, Ames, Iowa 50010</u>
<u>Eric D. Groen</u>	of	<u>313 SE 30<sup>th</sup> Street, Ankeny, Iowa 50021</u>

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

**ANALOG FRONT-END HAVING BUILT-IN EQUALIZATION  
AND APPLICATIONS THEREOF**

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 24<sup>th</sup> day of July, 2003.



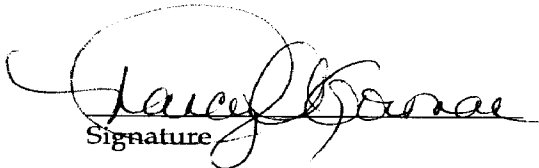
William C. Black

State of Iowa )  
County of STORY )

CAPACITY CLAIMED BY SIGNER  
 oneself/themselves

On 24 July 2003 before me, Nancy A. Gorman, Notary Public, personally appeared William C. Black  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 22<sup>nd</sup> day of July, 2003.

Charles W. Boecker  
Charles W. Boecker

State of Iowa  
County of Story

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On 22 July 2003 before me, Nancy A. Gorman, Notary Public, personally appeared Charles W. Boecker [ 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.

Nancy A. Gorman  
Signature

My commission no. is 708404  
My commission expires 20 february 2004

Executed this 22<sup>nd</sup> day of July, 2003.

Eric D. Groen  
Eric D. Groen

State of Iowa  
County of Story

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On 22 July 2003 before me, Nancy A. Gorman, Notary Public, personally appeared Eric D. Groen [ 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.

Nancy A. Gorman  
Signature

KK:pbs