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04-14-2005

HEET

U.S. DEPARTMENT OF COMMERCE  
Patent Office

To the Honorable Commissioner of

ched original documents or copy thereof.

1. Name of conveying party(ies):  
Neil Lillioth; Andrew David Laney

102980849

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

Name: Xilinx, Inc.

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

Street Address: 2100 Logic DriveCity: San Jose State: California Zip: 95124

Additional name(s) &amp; address(es) attached? [ ] Yes [X] No

3. Nature of Conveyance:

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

Execution Date: 03-22-05

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: 03-31-05

A. Patent Application No(s)

Neil Lillioth; Andrew David Laney  
"Optimal FPGA Based Hadamard Detection"

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: 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

[X] Authorized to be charged to deposit account

8. Deposit Account Number: 24-0040

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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

March 31, 2005

Date

PBS

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

Mail documents to be recorded with required cover sheet information to

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04/12/2005 DBYRNE 00000196 240040 11095189

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PATENT  
REEL: 016450 FRAME: 0015

ASSIGNMENT

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

Neil Lillioff of 24, Linnell Road, Redhill, Surrey, England RH1 4DH  
Andrew D. Laney of 17, Peartree Road, Addlestone, Surrey, England KT15 1SR  
 of \_\_\_\_\_

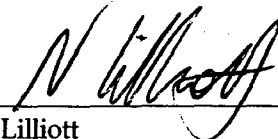
hereby sell, assign and transfer to **Xilinx, Inc., a Delaware corporation**, having a place of business at **2100 Logic Drive, San Jose, California 95124**, its successors and assigns, the entire right, title and interest throughout the world in our invention

## OPTIMAL FPGA BASED HADAMARD DETECTION


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 22<sup>nd</sup> day of March, 2005.


State of United Kingdom  
 County of Surrey

  
 \_\_\_\_\_  
 Neil Lillioff  
 CAPACITY CLAIMED BY SIGNER  
☒ oneself/themselves

WITNESS my hand

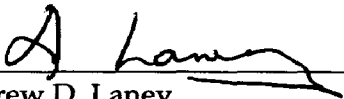
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 Signature Date  
 JOHN BLAINE

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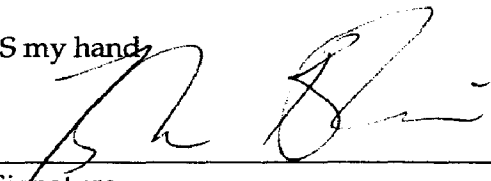
 22<sup>nd</sup> March 2005  
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 Signature Date  
 EITHNE MADDEN

Executed this 22<sup>nd</sup> day of March, 2005.


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Signature Date

KK:pbs EITHNE MADDEN