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X-1799 US

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

05-02-2005

FEET

U.S. DEPARTMENT OF COMMERCE  
Patent Office

To the Honorable Commissioner of Pat

ied original documents or copy thereof.

## 1. Name of conveying party(ies):

Satish R. Ganesan; Amit Kasat; Sathyanarayanan Thammanur;  
Sundararajaram Mohan; Usha Prabhu; Ralph D. Wittig

102992866

## 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

112243 U.S. PTO  
11/11339  
042105

## 3. Nature of Conveyance:

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

Execution Date: 03-23, 28, 29 & 04-18, 19-2005

## 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:

04-21-05

## A. Patent Application No.(s)

Satish R. Ganesan; Amit Kasat; Sathyanarayanan Thammanur;  
Sundararajaram Mohan; Usha Prabhu; Ralph D. Wittig  
"Method and Apparatus for Providing Self-Implementing  
Hardware-Software Libraries "

## 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

(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

April 21, 2005

Date

Total number of pages including cover sheet, attachments, and document: [ 05 ]

Mail documents to be recorded with required cover sheet information to

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

04/29/2005 GTDN11 00000094 240040 11111339

01 FC:8021 40.00 DA

PATENT  
REEL: 016501 FRAME: 0720

ASSIGNMENT

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

<u>Satish R. Ganesan</u>	of	<u>2255 Showers Drive #323, Mountain View, CA 94040</u>
<u>Amit Kasat</u>	of	<u>20800 Homestead Road, Apt. 16E, Cupertino, CA 95014</u>
<u>Sathyanarayanan Thammanur</u>	of	<u>4300 The Woods Drive #1300, San Jose, CA 95136</u>
<u>Sundararajaram Mohan</u>	of	<u>510 Kinross Court, Sunnyvale, CA 94087</u>
<u>Usha Prabhu</u>	of	<u>493 Lagrange Street, West Lafayette, IN 47906</u>
<u>Ralph D. Wittig</u>	of	<u>2357 Sharon Road, Menlo Park, CA 94025</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 APPARATUS FOR PROVIDING SELF-IMPLEMENTING  
HARDWARE-SOFTWARE LIBRARIES

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 18<sup>th</sup> day of April, 2005.

Satish R. Ganesan  
Satish R. Ganesan

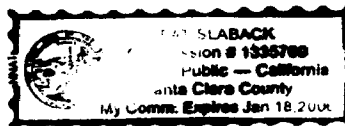
State of California )  
County of Santa Clara )

CAPACITY CLAIMED BY SIGNER  
[ X ] oneself/themselves

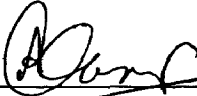
On April 18, 2005 before me, Pat Slaback, Notary Public, personally appeared Satish R. Ganesan [ ] personally known to me --or-- [X] proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same 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



Executed this 29<sup>th</sup> day of March, 2005.

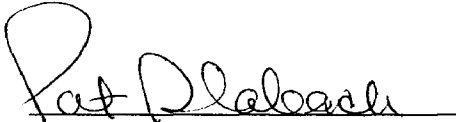
  
Amit Kasat

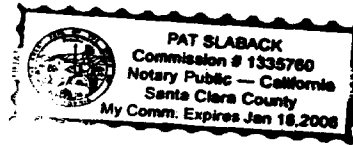
State of California  
County of Santa Clara

CAPACITY CLAIMED BY SIGNER  
☒ oneself/themselves

On March 29, 2005 before me, Pat Slaback, Notary Public, personally appeared Amit Kasat ☐ 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 29<sup>th</sup> day of March, 2005.

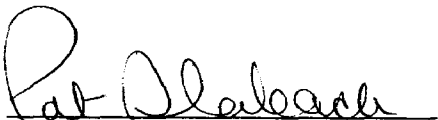
  
Sathyanarayanan Thammanur

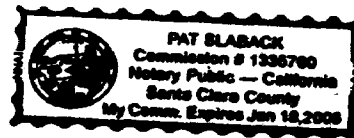
State of California  
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CAPACITY CLAIMED BY SIGNER  
☒ oneself/themselves

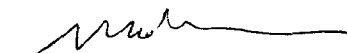
On March 29, 2005 before me, Pat Slaback, Notary Public, personally appeared Sathyanarayanan Thammanur ☐ personally known to me --or-- ☒ proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the 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 28<sup>th</sup> day of March, 2005.



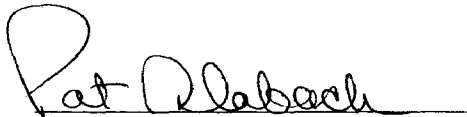
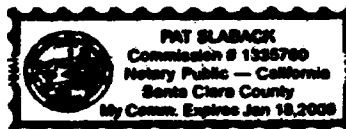
Sundararajao Mohan

State of California  
County of Santa Clara

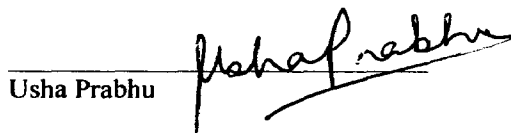
CAPACITY CLAIMED BY SIGNER  
[ X ] oneself/themselves

On March 28, 2005 before me, Pat Slaback, Notary Public, personally appeared Sundararajao Mohan [ ] 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.

  
Signature


Executed this 23 day of March, 2005.



Usha Prabhu

State of Indiana  
County of Tippecanoe

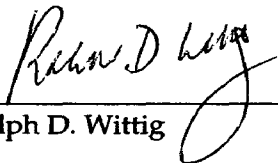
CAPACITY CLAIMED BY SIGNER  
[ X ] oneself/themselves

On March 23, 2005 before me, Chad Dixon, Notary Public, personally appeared Usha Prabhu [ ] 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.

  
Signature

Executed this 19<sup>th</sup> day of April, 2005.

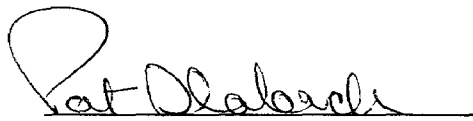
  
 \_\_\_\_\_  
 Ralph D. Wittig

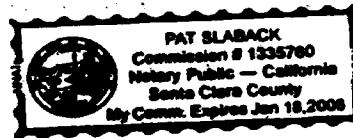
State of California )  
 County of Santa Clara )

CAPACITY CLAIMED BY SIGNER  
☒ oneself/themselves

On April 19, 2005 before me, Pat Slaback, Notary Public, personally appeared Ralph D. Wittig [ ] 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.

  
 \_\_\_\_\_  
 Signature



KK:pbs