17/639995

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.  1. Name of conveying party(ies) Prasad Rau; Venu M. Kondapalii, Jason R. Bergendahi; Qi Zhang Additional name(e) of conveying party(ies) attached? \[ Ves \] No  3. Nature of conveyance/Execution Date(s): Execution Date(s): 11-15, 11-28, and 12-04-2006  Assignment \[ Merger \] Security Agreement \[ Store the Address: 2100 Logic Drive \]  Street Address: 2100 Logic Drive  City: San Jose Other \[ A. Patent Application or patent number(s): \[ This document is being filed together with a new application. B. Patent No.(s)  5. Name and address to whom correspondence concerning document should be mailed: Name: Lois D. Carrier \[ No. Carrier \] Additional numbers attached? \[ Ves \] Yes \[ No. \]  6. Total number of applications and patents involved: ONE  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 \[ Authorized to be charged by credit card \[ Authorized to be charged by credit card \[ Authorized to be charged by credit card \[ Authorized to be charged to deposit account \[ Enclosed \] None required (government interest not affecting title)  State: California \[ Zip: 95124 \] Phone Number: \[ \frac{120-052-2733}{208-052-2733} \]  Examination of Person Signing \[ Signature \]  Lois D. Cartier, Reg. No. 40, 941 \[ No. 40.941 \] Name of Person Signing \[ Signature \]  Date \[ Signature \] Oceaniber 14, 2006 \[ Oceaniber 14, 2006 \] Authorized to pessing and document \[ Storethis, and document \[ Signature \] Oceaniber 14, 2006 \[ Oceaniber 14, 2006 \] Authorized copes in the etatachments, and document \[ Signature \] Oceaniber 14, 2006 \[ Oceaniber 14, 2006 \] Authorized specification of pages including core \[ Signature \] Oceaniber 14, 2006 \[ Oceaniber 14, 2006 \] Authorized specification of pages including core \[ Signature \] Oceaniber 14, 2006 \[ Oceaniber 14, 2006 \] Oceaniber 14, 2006 \[ Oceaniber 14, 2006 \] Oceaniber 14, 2006 \[ Oceaniber 14, 2006 \] Oceaniber 14, 2006 \[ Oceaniber 14, 200					
1. Name of conveying party(ies) Prasad Rau; Venu M. Kondapalit; Jason R. Bergendaht; Cli Zhang Name: _XILINX, INC	_103352613				
Prasad Rau; Venu M. Kondapalli; Jason R. Bergendahi; Gi Zhang Additional name(s) of conveying party(ies) attached?  Ves No  3. Nature of conveyance/Execution Date(s): Execution Date(s) 11-15, 11-28, and 12-04-2006   Assignment	To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.				
Internal Address:	1. Name of conveying party(ies)	2. Name and address of receiving party(ies)			
Additional name(s) of conveying party(ies) attached? Yes No  3. Nature of conveyance/Execution Date(s):  Execution Date(s): 11-15, 11-28, and 12-04-2006  Assignment Merger  Security Agreement Change of Name Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory License Other  A Application or patent number(s): A Patent Application No.(s)  Prasad Rau; Venu M. Kondapalit; Jason R. Bergendah; Oi Zhang Method and Apparatus for a Programmable Level Translator*  Additional numbers attached? Yes Vo.  Street Address: XILINX, INC.  Internal Address: XILINX, INC.  Street Address: 2100 Logic Drive  6. Total number of applications and patents involved: ONE 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)  8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 24-0040 Authorized User Name Carri Shellgren  Date Signature  December 14, 2006  Authorized over Idea of Carries Including covel  Authorized over Idea of Carries Including covel Authorized Over Name Carri Shellgren  Date Total number of pages including covel Authorized User Name Carri Shellgren  Date  Date  Total number of pages including covel Authorized User Name Carri Shellgren  Date  Date  Total number of pages including covel Authorized User Name Carri Shellgren  Date  Date  Total number of pages including covel Authorized User Name Carri Shellgren  Authorized User Name Carri Shellgren  Authorized User Name Carri Shellgren  Total number of pages including covel	Prasad Rau; Venu M. Kondapalli; Jason R. Bergendahl; Qi Zhang	Name: XILINX, INC.			
Street Address:   2100 Logic Drive		Internal Address:			
Street Address:   2100 Logic Drive					
Execution Date(s) 11-15, 11-28, and 12-04-2006  Assignment		1			
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State:Califomia   Country: _USZip: _95124					
Joint Research Agreement	Security Agreement Change of Name	City: San Jose			
Government Interest Assignment Executive Order 9424, Confirmatory License Other Additional name(s) & address(es) attached? Yes V No  4. Application or patent number(s): A. Patent Application No.(s) Prasad Rau; Venu M. Kondapalli; Jason R. Bergendahl; OI Zhang Method and Apparatus for a Programmable Level Translator*  Additional numbers attached? Yes V No  5. Name and address to whom correspondence concerning document should be mailed: Name: Lois D. Cartier Internal Address: XILINX, INC.  Street Address: 2100 Logic Drive  City: San Jose State: California Zip: 95124 Phone Number: 720-652-3733 Fax Number: 408-377-6137 Email Address: Signature  December 14, 2006  Country: US Zip: 95124 Additional name(s) & address(es) attached? Yes V No  6. Total number of applications and patents involved: ONE  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)  8. Payment Information a. Credit Card Last 4 Numbers Expiration Date  b. Deposit Account Number 24-0040 Authorized User Name Carri Shellgren  Signature  December 14, 2006  Date  Total number of pages including cover 444		State: California			
Additional name(s) & address(es) attached? Yes No  4. Application or patent number(s):	Government Interest Assignment				
4. Application or patent number(s):	Executive Order 9424, Confirmatory License	Country: USZip: 95124			
4. Application or patent number(s):  This document is being filed together with a new application.  A. Patent Application No.(s)  Prasad Rau; Venu M. Kondapalli; Jason R. Bergendahi; Ol Zhang "Method and Apparatus for a Programmable Level Translator"  Additional numbers attached?  Yes  No  5. Name and address to whom correspondence concerning document should be mailed:  Name: Lois D. Cartier  Internal Address:  XILINX, INC.  Authorized to be charged by credit card  Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting title)  Street Address:  Zip: 95124  Phone Number:  720-652-3733  Fax Number:  408-377-6137  Email Address:  Signature  December 14, 2006  Date  180  Date  190  Total number of applications and patents involved:  ONE  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged by credit card  Authorized to be charged to deposit account  Pinch Information  Signature  December 14, 2006  B. Patent No.(s)	Other	Additional name(s) & address(es) attached? Tes Vo			
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Name: Lois D. Cartier  Name: Lois D. Cartier  Internal Address: XILINX, INC.  Internal Address: 2100 Logic Drive  City: San Jose  State: California Zip: 95124  Phone Number: 720-652-3733  Fax Number: 408-377-6137  Email Address: Signature: Signature  Signature: December 14, 2006  Involved: ONE  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged by credit card  ✓ Authorized to be charged to deposit account  □ Enclosed □ None required (government interest not affecting title)  8. Payment Information a. Credit Card Last 4 Numbers Expiration Date □ December 14, 2006 □ Authorized User Name Carri Shellgren □ Date □ December 14, 2006 □ Total number of pages including cover 494	5. Name and address to whom correspondence	6. Total number of applications and patents			
Internal Address: XILINX, INC.  Street Address: 2100 Logic Drive  City: San Jose State: California Zip: 95124  Phone Number: 720-652-3733  Fax Number: 408-377-6137  Email Address:  9. Signature:  December 14, 2006  Signature  Lois D. Cartier, Reg. No. 40,941  Authorized to be charged by credit card  Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting title)  8. Payment Information a. Credit Card Last 4 Numbers  Expiration Date  Authorized User Name  Carri Shellgren  December 14, 2006  December 14, 2006  Total number of pages including covely 44	concerning document should be mailed:	, · · · · · · · · · · · · · · · · · · ·			
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		Total number of pages including cover sheet attachments and documents			

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

12/21/ 01 FC:

## **ASSIGNMENT**

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

Prasad Rau	_ of _	7472 Ahern Court, Saint Louis, MO 63130
Venu M. Kondapalli	of_	1195 Crandano Court, Sunnyvale, CA 94087
Jason R. Bergendahl	of	1678 Lewiston Drive, Sunnyvale, CA 94087
Qi Zhang	of	848 Towne Drive, 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

## METHOD AND APPARATUS FOR A PROGRAMMABLE LEVEL TRANSLATOR

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 abovenamed assignee, its successors and assigns.

Executed this 4th	day of $_{}$	Jecen )	Da .	2006.
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Prasad Rau

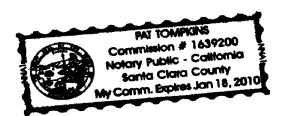
State of <u>California</u>)
County of <u>Santa Clara</u>

CAPACITY CLAIMED BY SIGNER [X] oneself/themselves

On Prasad Rau [ ] 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



PATENT REEL: 018719 FRAME: 0968

Executed this 28th day of 1000m/2006.	
	WM
	Venu M. Kondapalli
State of <u>California</u> ) County of <u>Santa Clara</u> )	CAPACITY CLAIMED BY SIGNER [X] oneself/themselves
On Venu M. Kondapalli [ ] personally knows of satisfactory evidence to be the person whose name is acknowledged to me that he/she executed the same in his/her signature on the instrument the person, or the entity upon behavinstrument.	subscribed to the within instrument and authorized capacity, and that by his/her
WITNESS my hand and official seal.	
Signature	PAT TOMPKINS  Commission # 1639200  Notary Public - California \$  Santa Clara County  My Comm. Expires Jan 18, 2010
Executed this 15th day of Noutrol 2006.	
State of <u>California</u> )	Jason R. Bergendahl  CAPACITY CLAIMED BY SIGNER
County of <u>Santa Clara</u> )	[X] oneself/themselves
On Ison R. Bergendahl   personally kn basis of satisfactory evidence to be the person whose name is acknowledged to me that he/she executed the same in his/her signature on the instrument the person, or the entity upon beha instrument.	subscribed to the within instrument and authorized capacity, and that by his/her
WITNESS my hand and official seal.	
Signature	PAT TOMPKINS Commission # 1639200 Notary Public - California Santa Clara County My Comm. Expires Jan 18, 2010

PATENT REEL: 018719 FRAME: 0969

Docket No. X-2376 US

Executed this 28 th day of November 2006.			
	Qi Zhang		
State of <u>California</u> ) County of <u>Santa Clara</u> )	CAPACITY CLAIMED BY SIGNER [X] oneself/themselves		
On Output 28, 2000 before me, Pat Tompkins, Notary Public, personally appeared Oi Zhang I personally known to meor [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.  Torrespond Signature	PAT TOMPKINS  Commission # 1639200  Notary Public - California  Santa Clara County  My Comm. Expires Jan 18, 2010		

LDC:pat

**RECORDED: 12/14/2006** 

PATENT REEL: 018719 FRAME: 0970