504854542 04/05/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GORAN H.K. BILSKI	04/04/2018
PETER MCCOLGAN	04/03/2018
JUAN J. NOGUERA SERRA	03/29/2018
BARIS OZGUL	04/03/2018
RICHARD L. WALKE	03/28/2018
RALPH D. WITTIG	03/30/2018
KORNELIS A. VISSERS	03/29/2018
PHILIP B. JAMES-ROXBY	03/29/2018
CHRISTOPHER H. DICK	03/30/2018

RECEIVING PARTY DATA

Name:	XILINX, INC.
Street Address:	2100 LOGIC DRIVE
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95124

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15944464

CORRESPONDENCE DATA

Fax Number: (408)377-6137

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 408-879-5216 Email: xilinxipl@xilinx.com

Correspondent Name: XILINX, INC.

Address Line 1: 2100 LOGIC DRIVE Address Line 2: ATTN: LEGAL DEPT.

Address Line 4: SAN JOSE, CALIFORNIA 95124

ATTORNEY DOCKET NUMBER: X-5437 US SUSAN WIENS NAME OF SUBMITTER:

SIGNATURE:	/susan wiens/	
DATE SIGNED:	04/05/2018	
Total Attachments: 9		
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ASSIGNMENT

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

Goran HK Bilski	_of	Kikasgranden 20B, Molndal 43164, Sweden
Peter McColgan	_of	Apt. 293 Bl. 7A Tallaght Cross West, Dublin 24, Co. Dublin, Ireland
Juan J. Noguera Serra	_of	1571 Shaw Drive, San Jose, CA 95118, USA
Baris Ozgul	_of	42 Altamont Hall, Stoney Road, Dundrum, Dublin D14 VY81, Co. Dublin, Ireland
Richard L. Walke	_of	6 Frogston Avenue, Edinburgh EH10 7AQ, Scotland, United Kingdom
Ralph D. Wittig	_of	2311 Crest Lane, Menlo Park, CA 94025, USA
Kornelis A. Vissers	_of	1235 McIntosh Court, Sunnyvale, CA 94087, USA
Philip B. James-Roxby	_of	1224 Columbia Drive, Longmont, CO 80503
Christopher H. Dick	of	5979 Pala Mesa Drive, San Jose, CA 95123

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 my/our invention

STREAMING INTERCONNECT ARCHITECTURE FOR DATA PROCESSING ENGINE ARRAY

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; 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 on $\frac{4/4-18}{}$	Goran HK Bilski
	certificate verifies only the identity of the individual who signed the and not the truthfulness, accuracy, or validity of that document.
State of <u>California</u>) County of <u>Santa Clara</u>)	CAPACITY CLAIMED BY SIGNER (X) individual signing for oneself
is/are subscribed to the within instrumer his/her/their authorized capacity(ies)	, before me, Susan Wiens, Notary Public, personally appeared ne basis of satisfactory evidence to be the person(s) whose name(s) and acknowledged to me that he/she/they executed the same in and that by his/her/their signature(s) on the instrument the hich the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph

WITNESS my hand and official seal.

is true and correct.

Susan Wiceru
Signature of Notary Public



Signed in Counterpart	Docket No. X-3437 US
Executed on 4/3/18	
Executed on 112118	- 01
	Will de la
	Peter McColgan
(1) WITNESS my hand PEDRO DUARTE	
[Printed Name]	
[F] inten intend	
(C. N. C. LANK	4/3/18
Signature	Date
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CARR	
(2) WITNESS my hand STEFAN MUNZ	
[Printed Name]	
MARIA	1.02.00
Cionatana	<u>4/3/18</u> Date
Signature	Dute
Executed on	
	Juan J. Noguera Serra
A notary public or other officer completing this certificate verifies this certificate is attached, and not the truthfulness, accuracy, or	only the identity of the individual who signed the document to which
this certificate is attached, and not the transmisss, accuracy, or	validity of that document.
State of <u>California</u>)	CAPACITY CLAIMED BY SIGNER
Country of Country Classes	(X) individual signing for
County of Santa Clara)	oneself
Onbefore m	e, Susan Wiens, Notary Public, personally appeared <u>Juan J.</u>
<u>Noguera Serra</u> , who proved to me on the pasis of satisf	actory evidence to be the person(s) whose name(s) is/are o me that he/she/they executed the same in his/her/their
authorized capacity(ies) and that by his/her/their signat	cure(s) on the instrument the person(s), or the entity upon
behalf of which the person(s) acted, executed the instrur	nent.
Landiffer under DENALTY OF DED HIDV under the Land of	the Ctute of California that the forcesing accomply to
and correct.	the State of California that the foregoing paragraph is true
and correcti	
WITNESS my hand and official seal.	

Signature of Notary Public

and correct.

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Signature of Notary Public



Signed in Counterpart	Docket No. X-5437 US
Executed on April 3, 2018	c 24
Baris Ozgo	
(1) WITNESS my hand Kenneth O'Brien [Printed Name] Kenth O'Bha Ar 3, 2018 Signature Date	
(2) WITNESS my hand FIV LIO GAIT BARDEUG [Printed Name]	
Signature JC 3 Al R 7018 Date	
Executed on	
Richard L.	Walke
A notary public or other officer completing this certificate verifies only the identity of the individual we certificate is attached, and not the truthfulness, accuracy, or validity of that document.	no signed the document to which this
	CLAIMED BY SIGNER lual signing for oneself
On	o me that he/she/they executed eir signature(s) on the instrumen
I certify under PENALTY OF PERJURY under the laws of the State of Califo is true and correct.	rnia that the foregoing paragrap
WITNESS my hand and official seal.	

Signature of Notary Public

On <u>Nach 28 2018</u>, before me, Susan Wiens, Notary Public, personally appeared <u>Richard L. Walke</u>, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public



Executed on	3/30/2018	 M Ant	,\	1.44
	·	Ralph	V _	Witte
		Ralph D. Wittig		D

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of <u>California</u>)

County of Santa Clara)

CAPACITY CLAIMED BY SIGNER

(X) individual signing for oneself

On <u>March</u> 30, 2018, before me, Susan Wiens, Notary Public, personally appeared <u>Ralph</u> <u>D. Wittig</u>, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies) and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public

SUSAN WIENS
Notary Public – California
Santa Clara County
Commission # 2216322
My Comm. Expires Oct 27, 2021

Executed on 3/29/2018

	nly the identity of the individual who signed the document to which
this certificate is attached, and not the truthfulness, accuracy, or vi	alidity of that document.
State of <u>California</u>	CAPACITY CLAIMED BY SIGNER
state of <u>datiforma</u>	(X) individual signing for
County of <u>Santa Clara</u>)	oneself
AAAA 24 2019 .	5 NO NO 10 N
On William , before	me, Susan Wiens, Notary Public, personally appeared factory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to	me that he/she/they executed the same in his/her/their
	ure(s) on the instrument the person(s), or the entity upon
behalf of which the person(s) acted, executed the instrum	
	he State of California that the foregoing paragraph is true
and correct.	
WITNESS my hand and official seal.	<u>,</u>
WithEss my hand and official scal.	-
0 11.5	SUSAN WIENS Notary Public – California
Susan Wiers	≨ Santa Clara County ≦
	Commission # 2216322 My Comm. Expires Oct 27, 2021
Signature of Notary Public	
	
Executed on	
	DE II. D. L D L.
	Philip B. James-Roxby
State of <u>Colorado</u>)	CAPACITY CLAIMED BY SIGNER
	(X) individual signing for oneself
County of <u>Boulder</u>)	
The foregoing instrument was acknowledged before r	me this (date) by Philip B.
James-Roxby (name of person acknowledged).	(date) by <u>rimip b.</u>
· · · · · · · · · · · · · · · · · · ·	
Malinda Ann Durales Materia Didita	
Melinda Ann Brooks, Notary Public	
Commission Expiration:	

Executed on	
	Kornelis A. Vissers
A notary public or other officer completing this certificate verifies onl this certificate is attached, and not the truthfulness, accuracy, or valid	
State of <u>California</u>)	CAPACITY CLAIMED BY SIGNER (X) individual signing for
County of Santa Clara	oneself
On	me that he/she/they executed the same in his/her/their re(s) on the instrument the person(s), or the entity upon ent.
Executed on 3/29/2018.	Philip B. James-Roxby
State of <u>Colorado</u>)	CAPACITY CLAIMED BY SIGNER
County of Boulder)	(X) individual signing for oneself
The foregoing instrument was acknowledged before m <u>James-Roxby</u> (name of person acknowledged).	e this 3-29-2018 (date) by Philip B.
amy Lynn Edwards Amy Edwards, Notary Public	AMY LYNN EDWARDS NOTARY PUBLIC
Commission Expiration: $10-3-2020$	STATE OF COLORADO NOTARY ID 20164037774 MY COMMISSION EXPIRES OCTOBER 3, 2020

Executed on	3.30.18	 Coil	
		Christopher H. Dick	

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of <u>California</u>)

County of Santa Clara)

CAPACITY CLAIMED BY SIGNER
(X) individual signing for oneself

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

disa Weens

Signature of Notary Public

SUSAN WIENS
Notary Public - California
Santa Clara County
Commission # 2216322
My Comm. Expires Oct 27, 2021