

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5000037

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
AMIT VYAS	06/05/2018
RAMAKRISHNA R. GADDAM	06/05/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	XILINX, INC.
<b>Street Address:</b>	2100 LOGIC DRIVE
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95124
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16004662
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(408)377-6137
<i>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.</i>	
<b>Phone:</b>	408-879-4185
<b>Email:</b>	xilinxipl@xilinx.com
<b>Correspondent Name:</b>	XILINX, INC ATTN: LEGAL DEPARTMENT
<b>Address Line 1:</b>	2100 LOGIC DR
<b>Address Line 4:</b>	SAN JOSE, CALIFORNIA 95124
<b>ATTORNEY DOCKET NUMBER:</b>	X-5310 US
<b>NAME OF SUBMITTER:</b>	KATHERINE STOFER
<b>SIGNATURE:</b>	/Katherine Stofer/
<b>DATE SIGNED:</b>	06/11/2018
<b>Total Attachments: 2</b>	
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ASSIGNMENT

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

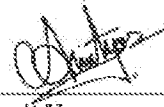
*Amit Vyas of Flat No. 103, Venkateshwara Residency, Plot No. 386, Sri Ram Nagar Colony, Block B, Kondapur, No. 16, Hyderabad, TS 500081, India.  
Rameshkrishna R. Caddam of Flat E-1205, Rainbow Vista, Gyrack garden, Green Hills Road, Moosipet, Hyderabad, TS 500078, India*

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 invention

EDGE DETECTION FOR MEMORY CONTROLLER

for which I 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 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 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 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 June 5<sup>th</sup> 2018

  
Amit Vyas

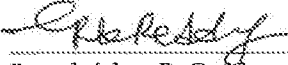
(1) WITNESS my hand Kanathi Palanisamy  
[Printed Name]

P. Kanathi June 5<sup>th</sup> 2018  
Signature Date

(2) WITNESS my hand Santosh Yachareni  
[Printed Name]

Santosh K. Yachareni June 5<sup>th</sup> 2018  
Signature Date

Executed on June 5<sup>th</sup> 2018

  
\_\_\_\_\_  
Ramakrishna R. Gaddam

(1) WITNESS my hand Karathi Palanisamy  
\_\_\_\_\_  
(Printed Name)

P. Karathi June 5<sup>th</sup> 2018  
\_\_\_\_\_  
Signature Date

(2) WITNESS my hand Santosh Yachareni  
\_\_\_\_\_  
(Printed Name)

Santosh K. Yachareni June 5<sup>th</sup> 2018  
\_\_\_\_\_  
Signature Date