504799407 03/01/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TIMOTHY J. WILLIAMS	04/01/2010
GREGORY J. VERGE	04/01/2010
BRUCE E. BYRKETT	04/01/2010
DAVID G. WRIGHT	04/01/2010

RECEIVING PARTY DATA

Name:	Cypress Semiconductor Corporation
Street Address:	198 Champion Court
City:	San Jose
State/Country:	CALIFORNIA
Postal Code:	95134

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14690106

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	CD09127C3
NAME OF SUBMITTER:	CHRISTOPHER JORDAN
SIGNATURE:	/Christopher Jordan/
DATE SIGNED:	03/01/2018

Total Attachments: 3

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> **PATENT REEL: 045074 FRAME: 0149** 504799407

ASSIGNMENT OF PATENT APPLICATION

Attorney Docket No.: CD09127C2

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

Timothy J. Williams, David G. Wright, Gregory J. Verge and Bruce E. Byrkett, hereby sell, assign, and transfer to

Cypress Semiconductor Corporation

a corporation of Delaware, having a principal place of business at 198 Champion Court, San Jose, California 95134-1709, USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which for the non-provisional application may have a declaration executed by the undersigned prior hereto or concurrently herewith and which application (provisional or non-provisional) is entitled

PROGRAMMABLE INPUT/OUTPUT CIRCUIT

said patent application also identified as follows (when known):

[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]

United States	Patent Application	Number	14/054,657	filed 10)/15/2013

and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

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Rev. 1/08/2010

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

Apr.	.20 /0	Trudy A. Wil
Date	manufic parties and the same	Signature
· .		Timothy J. Williams Printed/Typed Name
Date	, 20	Signature
APR. (, 20 [0	David G. Wright Printed/Typed Name Lugg J. Ving Signature
APR.	<u>l</u> , 20 (ω	Gregory J. Verge Printed/Typed Name Bree & Bylesq Signature
		Bruce E. Byrkett

Printed/Typed Name

Rev. 1/08/2010

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Date	Signature
	Timothy J. Williams Printed/Typed Name-7
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APRIC 1, 20,10	
Date	Signature
	David G. Wright
	Printed/Typed Name
. 20	
Date	Signature
	Gregory J. Verge
	Printed/Typed Name
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Date	Signature
	Bruce E. Byrkett
	Printed/Typed Name
	Printed/Typed Name

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PATENT REEL: 045074 FRAME: 0152