504950310 06/07/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4997057

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PAUL M. WALSH	03/22/2018
DERMOT MACSWEENEY	05/12/2018
SAID HUSSAINI	06/04/2018
HUI JIANG	06/05/2018
KOFI MAKINWA	06/05/2018

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:	15938976

CORRESPONDENCE DATA

Fax Number: (408)545-6911

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: 408-943-6878
Email: danp@cypress.com

Correspondent Name: CYPRESS SEMICONDUCTOR CORPORATION

Address Line 1: 198 CHAMPION COURT

Address Line 4: SAN JOSE, CALIFORNIA 95134

ATTORNEY DOCKET NUMBER:	ER: CD17074	
NAME OF SUBMITTER:	CHRISTOPHER JORDAN	
SIGNATURE:	/Christopher Jordan/	
DATE SIGNED:	06/07/2018	

Total Attachments: 8

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PATENT REEL: 046020 FRAME: 0812

ASSIGNMENT OF PATENT APPLICATION	Attorney Docket No.: CD17074
For good and valuable consideration, the receipt and	sufficiency of which is hereby
acknowledged, I/we, the undersigned, Paul M. Walsh, Dermol	t MacSweeney, Said Hussaini,
Hui Jiang, and Kofi Makinwa	
hereby sell, assign, and transfer to <u>Cypress Semiconducto</u>	or Corporation
 a <u>corporation</u> (Type of Assignee: e.g., corporation, company, partnership, university, et 	of <u>Delaware</u>
having a principal place of business at 198 Champion Cour	
("Assignee"), and its successors, assigns, and legal represe for the United States and all foreign countries, in and to any are disclosed in the application (provisional or non-provision have a declaration executed by the undersigned prior hereto	and all inventions or improvements that al) for the United States patent which may
NANO-POWER CAPACITANCE-TO-DIGITAL	CONVERTER
said patent application also identified as follows (when know	m):
[I/we hereby authorize an attorney or agent for said number and filing date of said patent application who	
United States Patent Application Number <u>15/938,976</u> f	iled03-28-2018,
and in and to said application (provisional or non-provisional provisional applications, utility applications, design applications applications, continued prosecution applications, continuation applications, renewal applications, reissue applications, reexpatent applications that have been or shall be filed in the Unany of said inventions or improvements; and in and to all original reexamination certificates, and extensions, that have been of all foreign countries on said inventions or improvements; and from the filing of said United States application;	ons, divisional applications, continuation on-in-part applications, substitute xaminations, extensions, and all other lited States and all foreign countries on ginal patents, reissued patents, or shall be issued in the United States and
agree that said Assignee may apply for and receive a improvements in its own name; and that, when requested, we said Assignee, its successors, assigns, and legal represents and purpose of this Assignment, the undersigned will execut provisional applications, utility applications, design applications applications, continued prosecution applications, continuation applications, renewal applications, reissue applications, reexpatent applications on any and all said inventions or improve assignments, powers of attorney, and other papers; communications, and representatives all facts known to the undersign improvements and the history thereof; and generally assist suppresentatives in securing and maintaining proper patent primprovements and for vesting title to said inventions or improvements, in said All patents on said inventions or improvements, in said All patents on said inventions or improvements, in said All patents on said inventions or improvements, in said All patents on said inventions or improvements, in said All patents on said inventions or improvements, in said All patents on said inventions or improvements, in said All patents on said inventions or improvements, in said All patents on said inventions or improvements.	without charge to, but at the expense of, atives, to carry out in good faith the intent ate all provisional applications, non- ons, divisional applications, continuation on-in-part applications, substitute examinations, extensions, and all other ements; execute all rightful oaths, nicate to said Assignee, its successors, and relating to said inventions or said Assignee, its successors, assigns, or rotection for said inventions or overments, and all applications for patents

Rev. 8/03/2011 **PATENT**

REEL: 046020 FRAME: 0813

22 March , 20 18 Date	Faul La Signature Paul M. Walsh
	Printed/Typed Name
, 20 Date	Signature
Date	Dermot MacSweeney
	Printed/Typed Name
, 20	Signature
Date	Olynature

Said Hussaini

Each Inventor: Please Sign and Date Below:

Assignment Document Return Address:
CYPRESS SEMICONDUCTOR CORPORATION
198 Champion Court
San Jose, CA 95134
(408) 545-7194

Printed/Typed Name

ASSIGNMENT OF PATENT APPLICATION	Attorney Docket No.: CD17074
For good and valuable consideration, the receipt	and sufficiency of which is hereby
acknowledged, I/we, the undersigned, Paul M. Walsh, Der	mot MacSweeney, Said Hussaini,
Hui Jiang, and Kofi Makinwa	······································
hereby sell, assign, and transfer to <u>Cypress Semicond</u>	uctor Corporation
and the second s	· Date - William Colors
a <u>corporation</u> (Type of Assignee: e.g., corporation, company, partnership, university	of <u>Delaware</u> , y, etc.)
having a principal place of business at 198 Champion C	ourt, San Jose, California 95134-1709
("Assignee"), and its successors, assigns, and legal repre- for the United States and all foreign countries, in and to a are disclosed in the application (provisional or non-provis have a declaration executed by the undersigned prior her	iny and all inventions or improvements that ional) for the United States patent which may
NANO-POWER CAPACITANCE-TO-DIGITA	L CONVERTER
and natural application also identified as follows (when here	,
said patent application also identified as follows (when kn	iown):
[I/we hereby authorize an attorney or agent for sa number and filing date of said patent application v	id Assignee to insert below the application when known.]
United States Patent Application Number 15/938,976	filed_03-28-2018,
and in and to said application (provisional or non-provision provisional applications, utility applications, design applications, continued prosecution applications, continue applications, renewal applications, reissue applications, repatent applications that have been or shall be filed in the any of said inventions or improvements; and in and to all reexamination certificates, and extensions, that have been all foreign countries on said inventions or improvements; from the filing of said United States application;	ations, divisional applications, continuation ation-in-part applications, substitute eexaminations, extensions, and all other United States and all foreign countries on original patents, reissued patents, n or shall be issued in the United States and
agree that said Assignee may apply for and receiv improvements in its own name; and that, when requested said Assignee, its successors, assigns, and legal represent and purpose of this Assignment, the undersigned will exerprovisional applications, utility applications, design applications, continued prosecution applications, continued applications, renewal applications, reissue applications, repatent applications on any and all said inventions or improvements, powers of attorney, and other papers; commassigns, and representatives all facts known to the undersimprovements and the history thereof; and generally assist representatives in securing and maintaining proper patent improvements and for vesting title to said inventions or improvements, in sail legal representatives; and	without charge to, but at the expense of, intatives, to carry out in good faith the intent cute all provisional applications, non-ations, divisional applications, continuation ation-in-part applications, substitute examinations, extensions, and all other exemple execute all rightful oaths, nunicate to said Assignee, its successors, signed relating to said inventions or at said Assignee, its successors, assigns, or provements, and all applications for patents

PATENT REEL: 046020 FRAME: 0815

Rev. 8/03/2011

Each Inventor: Please Sign and Date Below:

, 20	
Date	Signature
	Paul M. Walsh
12th May, 20	Pripted/Typed Name
Date	Signature
	Dermot MacSweeney
	Printed/Typed Name
, 20	
Date	Signature
	Said Hussaini
	Printed/Typed Name

Assignment Document Return Address:
CYPRESS SEMICONDUCTOR CORPORATION
198 Champion Court
San Jose, CA 95134
(408) 545-7194

Date	Signature
	Hui Jiang
	Printed/Typed Name
, 20	
ate	Signature
	Kofi Makinwa
	Printed/Typed Name
, 20	
ate	Signature

Each Inventor: Please Sign and Date Below:

Assignment Document Return Address: CYPRESS SEMICONDUCTOR CORPORATION 198 Champion Court San Jose, CA 95134 (408) 545-7194

ASSIGNMENT OF PATENT APPLICATION	Attorney Docket No.: CD17074	
For good and valuable consideration, the receipt and sufficiency of which is hereby		
acknowledged, I/we, the undersigned, Paul M. Walsh, Dermo	t MacSweeney, Sald Hussaini,	
Hui Jiang, and Kofi Makinwa		
hereby sell, assign, and transfer to <u>Cypress Semiconduct</u>	or Corporation	
· ·	<i>t</i> = 1	
a <u>corporation</u> (Type of Assignee: e.g., corporation, company, partnership, university, et	tc.)	
having a principal place of business at 198 Champion Cou		
("Assignee"), and its successors, assigns, and legal represe for the United States and all foreign countries, in and to any are disclosed in the application (provisional or non-provision have a declaration executed by the undersigned prior hereto	and all inventions or improvements that half for the United States patent which may	
NANO-POWER CAPACITANCE-TO-DIGITAL	CONVERTER	
said patent application also identified as follows (when know	/n):	
[I/we hereby authorize an attorney or agent for said number and filing date of said patent application who		
United States Patent Application Number 15/938,976 f	iled <u>03-28-2018</u> ,	
and in and to said application (provisional or non-provisional provisional applications, utility applications, design applications applications, continued prosecution applications, continuation applications, renewal applications, reissue applications, reexpatent applications that have been or shall be filed in the Unany of said inventions or improvements; and in and to all original reexamination certificates, and extensions, that have been call foreign countries on said inventions or improvements; and from the filing of said United States application;	ons, divisional applications, continuation on-in-part applications, substitute xaminations, extensions, and all other lited States and all foreign countries on ginal patents, reissued patents, or shall be issued in the United States and	
agree that said Assignee may apply for and receive a improvements in its own name; and that, when requested, we said Assignee, its successors, assigns, and legal represents and purpose of this Assignment, the undersigned will execut provisional applications, utility applications, design applications applications, continued prosecution applications, continuated applications, renewal applications, reissue applications, reexpatent applications on any and all said inventions or improve assignments, powers of attorney, and other papers; communassigns, and representatives all facts known to the undersign improvements and the history thereof; and generally assists representatives in securing and maintaining proper patent primprovements and for vesting title to said inventions or improvements, in said a legal representatives; and	rithout charge to, but at the expense of, atives, to carry out in good faith the intent te all provisional applications, non- ons, divisional applications, continuation on-in-part applications, substitute examinations, extensions, and all other exements; execute all rightful oaths, nicate to said Assignee, its successors, ned relating to said inventions or said Assignee, its successors, assigns, or rotection for said inventions or overments, and all applications for patents	

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Rev. 8/03/2011

PATENT REEL: 046020 FRAME: 0818

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Date	Signature
*	Paul M. Walsh
	Printed/Typed Name
, 20	
Date	Signature
	Dermot MacSweeney
	Printed/Typed Name
4- june , 2018	
Date	Signature
	Said Hussaini
	Printed/Typed Name

Each Inventor: Please Sign and Date Below:

Assignment Document Return Address: CYPRESS SEMICONDUCTOR CORPORATION 198 Champion Court San Jose, CA 95134 (408) 545-7194

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Rev. 8/04/2011

Each	Inventor:	Please	Sian	and	Date	Below:
KEL CO. CO. L.						

05-June , 20 /8	<u> </u>
Date	Signature
•	Hul Jiang
05/6,20_18	Printed/Typed Name
Date	/// Signature
	Kofi Makinwa
	Printed/Typed Name
, 20	
Date	Signature
	Printed/Typed Name

Assignment Document Return Address: CYPRESS SEMICONDUCTOR CORPORATION 198 Champion Court San Jose, CA 95134 (408) 545-7194

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RECORDED: 06/07/2018

Rev. 8/04/2011

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