PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Brett Spurlock	03/24/2009
Yansun Xu	03/24/2009
Jahja Trisnadi	03/24/2009
Ke-Cai Zeng	03/24/2009
Steve Sanders	03/25/2009
Clinton Carlisle	03/25/2009

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:	13598464

CORRESPONDENCE DATA

Fax Number: 4085456911

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 408-943-6878 Email: pbj@cypress.com

Correspondent Name: **Cypress Semiconductor Corporation**

Address Line 1: 198 Champion Court

Address Line 4: San Jose, CALIFORNIA 95134

ATTORNEY DOCKET NUMBER:	CD08110C1
ATTORNEY DOCKET NUMBER:	CD08110C1

NAME OF SUBMITTER:	Andrew J. Bateman
	PATENT

REEL: 030868 FRAME: 0209 502432154

Signature:	/Andrew J. Bateman/
Date:	07/24/2013
Total Attachments: 3 source=CD08110C1_Assignment#page1.tif source=CD08110C1_Assignment#page2.tif source=CD08110C1_Assignment#page3.tif	

PATENT REEL: 030868 FRAME: 0210

Attorney	Docket No.:	CD2008110	

Assignment to Cypress Semiconductor Corporation

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we Brett Spuriock, Yansun Xu, Jahja Trisnadi, Steve Sanders, Clinton Carliste, and Ke-Caj Zeng do hereby sell, assign, and transfer unto Cypress Semiconductor Corporation (hereinafter called Cypress), a Delaware Corporation, having its principal place of business at 198 Champion Court, San Jose, CA 95134-1709, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

FINGER NAVIGATION SENSOR USING SPECKLE LIGHT AND LIFT-OFF COMPUTATIONS

X filed herewith and United States an	t the inventions set forth and described th d of countries foreign thereto which may b	erein, and any and all Letters Patent of the be granted thereon or therefor, or
Serial No.: and described the which may be gra	filed on erein, and any and all Letters Patent of the ented thereon or therefor;	and the inventions set forth he United States and of countries foreign thereto
execute and deliver original, continuation, to Cypress, its succes in the United States interference proceeding	without further compensation any power divisional or reissue, or other papers who sors and assigns, the inventions describe and in any country foreign thereto, and ags involving said inventions and in the ac	request of Cypress, its successors or assigns, to er of attorney, assignment, application, whether sich may be necessary or desirable fully to secure ed in said application and all patent rights therein, d to cooperate and assist in the prosecution of djudication or reexamination of said Letters Patent ding such cooperation and assistance are paid by
mortgage, license, or	other agreement affecting the rights ar	id legal representatives that no assignment, grant, nd property herein conveyed has been made to same as herein expressed is possessed by the
In witness whereof, I/w	ve hereunto set my/our hand(s) and seal:	
Inventor's Signature:	Brett Spurlock	Date: 3/34/09
Inventor's Signature:	Yansyin Xu	Date: 3/24/09
Inventor's Signature:	Janja Vrisnadi	Date: 3/24/39
Inventor's Signature:	Steve Sanders	Date:
Inventor's Signature:	Clinton Carlisle	Date:
Inventor's Signature:	Ke-Cai Zeng	Date: 3/24/2009
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Attorney	Docket No.:	CD2008110
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Assignment to Cypress Semiconductor Corporation

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we Brett Spurlock, Yansun Xu, Jahja Trisnadi, Steve Sanders, Clinton Cariisle, and Ke-Cai Zeng do hereby sell, assign, and transfer unto Cypress Semiconductor Corporation (hereinafter called Cypress), a Delaware Corporation, having its principal place of business at 198 Champion Court, San Jose, CA 95134-1709, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

FINGER NAVIGATION SENSOR USING SPECKLE LIGHT AND LIFT-OFF COMPUTATIONS

X filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; or

Serial No.: and described the which may be grai	filed on trein, and any and all Letters inted thereon or therefor;	Patent of the United States and	and the inventions set forth of countries foreign thereto
and for the above consideration, I/we agree promptly upon request of Cypress, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to Cypress, as successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of Interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by Cypress.			
Iwe further covenant with Cypress, 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;			
In witness whereof, I/we hereunto set my/our hand(s) and seal:			
Inventor's Signature:	Brett Spurlock	Date:	ove HBSHBHD3) materiories (48HBHD3844 lineariories (48HBHD38
Inventor's Signature:	Yansun Xu	Date;	www.men.nlliidddiiddiigojamwa.com.aathiiddiiddiiniid
inventor's Signature:	Jahja Trisnadi	Date:	tiskii 11995a jajaji isto oo o
Inventor's Signature:	Steve Sanders	Date;	3/25/09
Inventor's Signature:	Clinton Carlisle		daggy jagranomonan sarah sarah jagah pakasan sarah
Inventor's Signature:	Ke-Cal Zeng	Date:	al-water arth 1977

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Attorney Docket No	o.: CD2008110
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Assignment to Cypress Semiconductor Corporation

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, l/we Brett Spurlock, Yansun Xu, Jahja Trisnadi, Steve Sanders, Clinton Carlisle, and Ke-Cai Zeng do hereby sell, assign, and transfer unto Cypress Semiconductor Corporation (hereinafter called Cypress), a Delaware Corporation, having its principal place of business at 198 Champion Court, San Jose, CA 95134-1709, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled: FINGER NAVIGATION SENSOR USING SPECKLE LIGHT AND LIFT-OFF COMPUTATIONS X filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor, or and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor, And for the above consideration, I/we agree promptly upon request of Cypress, its successors or assigns, to execute and deliver without further compensation any power of atforney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to Cypress. its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by Cypress. I/we further covenant with Cypress, 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; in witness whereof, I/we hereunto set my/our hand(s) and seal: Inventor's Signature: Brett Spurlock Date: Inventor's Signature: Yansun Xu Date: Inventor's Signature: Jahia Trisnadi Date: Inventor's Signature: eve Sanders Date: 25 March 2009 Inventor's Signature: Date:

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> **PATENT** REEL: 030868 FRAME: 0213

Inventor's Signature:

Ke-Cal Zeng