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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4548995

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
JOHN CONSTANTINO		01/07/2015
TIMWAH LUK		01/08/2015
AHMAD R. ASHRAFZADEH		01/08/2015
CHUNG-LIN WU		01/07/2015
ROBERT L. KRAUSE		01/08/2015
ETAN SHACHAM		01/07/2015
MARIA CLEMENS YPIL QUINONES		01/08/2015

JANUSZ BRYZEK

RECEIVING PARTY DATA

Name:	FAIRCHILD SEMICONDUCTOR CORPORATION
Street Address:	1272 BORREGAS AVENUE
City:	SUNNYVALE
State/Country:	CALIFORNIA
Postal Code:	94089

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15676360

CORRESPONDENCE DATA

Fax Number:	(602)2	244-3169	
		e-mail address first; if that is unsuccessful, it will be sent at is unsuccessful, it will be sent via US Mail.	
Phone:	60224	22443574	
Email:	paten	ts@onsemi.com	
Correspondent Name:	SEMI	CONDUCTOR COMPONENTS INDUSTRIES, LLC	
Address Line 1:	5005	E. MCDOWELL ROAD	
Address Line 2:	MAILI	DROP A700	
Address Line 4:	PHOE	ENIX, ARIZONA 85008	
ATTORNEY DOCKET NUMBER	:	FSC74930C01US	
NAME OF SUBMITTER:		SHARRON CASTILLO	
SIGNATURE:		/Sharron Castillo/	

01/07/2015

DATE SIGNED:	08/14/2017
Total Attachments: 15	
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ASSIGNMENT

John CONSTANTINO, residing at 16925 Pine Way, Morgan Hill, CA 95037, Timwah LUK, residing at 57 Carroll Street, Falmouth, ME 04105, Ahmad ASHRAFZADEH, residing at 1740 W. Edmundson Avenue, Morgan Hill, CA 95037, Robert L, KRAUSE, residing at 2107 Camino de Los Robles, Menlo Park, CA 94025, Etan SHACHAM, residing at 10167 Danube Drive, Cupertino, CA 95104, Maria Clemens Yull QUINONES, residing at 1-128 Saint Jude Acre, Bulacao, Cebu City, Philippines 6000, Janusz BRYZEK, residing at 333 Pali Court, Oakland, CA 94611, and Chung-Lin WU, residing at 4651 Persimmon Place, San Jose, CA 95129 (each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in an application for patent of the United States, entitled ISOLATION BETWEEN SEMICONDUCTOR COMPONENTS, and which is a:

- (1) [X] provisional application
 - (a) to be filed herewith; or
 - (b) bearing Application No. <u>61/926,030</u>, filed on January 10, 2014, and Attorney Docket No. <u>0078-073P01-74930US01</u>; or
- (2) [X] non-provisional application
 - (a) to be filed herewith; or
 - (b) bearing Application No. <u>14/593.642</u>, filed on <u>January 9, 2015</u>, and Attorney Docket No. <u>0078-073002-74930US02</u>.

WHEREAS, Fairchild Semiconductor Corporation, a corporation duly organized under and pursuant to the laws of <u>Delaware</u>, and having its principal place of business at <u>3030 Orchard Parkway. San Jose, CA 95134</u> (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application for patent identified in paragraph (1) or (2); the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to these application(s); any provisional or other right to recover damages, including royalties, for prior infringements of these applications; and any patent(s) of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

(a) the Invention(s);

(c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Paris Convention for the Protection of Industrial Property and under the Patent Cooperation Treaty;

(d) any application(s) for patent of the United States or other countries claiming the Invention(s);

(e) any application(s) for patent of the United States or other countries claiming priority to the application for patent identified in paragraph (1) or (2) or any application(s) for patent claiming the Invention(s), including any division(s), continuation(s), and continuation(s)-in-part; and

 (f) any provisional or other right to recover damages, including royalties, for prior infringements of any application for patent identified in the preceding paragraphs
(b)-(e); and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b) - (e), including any reissue(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said applications, and said patents, including interference proceedings, without charge to the Assignor, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of **BRAKE HUGHES BELLERMANN LLP** to insert in the spaces provided above the filing date, the

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: 1/07/2015	By: John CONSTANTINO
Date:	By:
	Timwah LUK
Date:	By:
	Ahmad R. ASHRAFZADEH
Date:	By:
	Robert L. KRAUSE
Date:	Ву:
	Etan SHACHAM
Date:	By;
	Maria Clemens Ypil QUINONES
Date:	By;
	Janusz BRYZEK
Date:	By:
	Chung-Lin WU

Attorney Docket No. 0078-073191 & 002 Page 1 of 3

ASSIGNMENT

John CONSTANTINO, residing at <u>16925 Pine Way, Morgan Hill, CA 95037</u>, Timwah LUK, residing at <u>57 Carroll Street</u>, Falmouth, ME 04105, Ahmad ASHRAFZADEH, residing at <u>1740 W. Edimendson Avenue</u>, Morgan Hill, CA 95037, Robert L. KRAUSE, residing at <u>2107 Camino de Los Robles</u>, Menlo Park, CA 94025, Etau SHACHAM, residing at <u>10167 Danube Drive, Copertino, CA 95104</u>, Maria Clemens Ypil QUINONES, residing at <u>1-128 Saint hide Acre. Bulacao, Cebu City, Philippines 6000</u>, Janusz BRYZEK, residing at <u>333 Phil Court, Oakland, CA 94611</u>, and Change-Lin WU, residing at <u>4651 Persimunon Place. San Jose, CA 95129</u> (each referred to as "Assignor") have made an invention(s) (the "Invention(5)") set forth in an application for patent of the United States, entitled ISOLATION BETWEEN SEMICONDUCTOR COMPONENTS, and which is a:

- (1) [X] provisional application
 - (a) to be filed herewith; or
 - (b) bearing Application No. 61/926.030, filed on Jamuary 10, 2014, and Attorney Docket No. 0078-073P01-74930US01; or
- (2) {X} non-provisional application
 - (a) to be filed herewith; or
 - (b) bearing Application No. <u>14/593,642</u>, filed on January 9, 2015 and Attorney Docket No. <u>0078-073002-74930US02</u>.

WHEREAS, Fairchild Semiconductor Corporation, a corporation duly organized under and pursuant to the laws of <u>Delaware</u>, and having its principal place of business an <u>3030 Orchard Parkway</u>, San Jose, CA 95134 (the "Assignee"), is desirous of acquiring the entire right, title, and interest in the Invention(s); the application for patent identified in paragraph (1) or (2); the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to these application(s); any provisional or other right to recover damages, including royalties, for prior infringements of these applications; and any patent(s) of the United States or other countries that may be granted therefor or thereon.

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(a) the invention(s);

(c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Paris Convention for the Protection of Industrial Property and under the Patent Cooperation Treaty;

 (d) any application(s) for patent of the United States or other countries claiming the invention(s);

(e) any application(s) for patent of the United States or other countries claiming priority to the application for patent identified in paragraph (1) or (2) or any application(s) for patent claiming the Invention(s), including any division(s), continuation(s), and continuation(s)-in-part; and

(f) any provisional or other right to recover damages, including royalties, for prior infringements of any application for patent identified in the preceding paragraphs (b)-(e); and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b) - (e), including any reissue(s) and extension(s) of said patent(s).

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The Assignor hereby authorizes and requests the attorneys of BRAKE HUGHES BELLERMANN LLP to insert in the spaces provided above the filing date, the

Attorney Docket No. 0078-073P01 & 002 Page 3 of 3

application number, and the attorney docket number of the application identified in paragraph (1) or (2) when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date:	Ву:
	John CONSTANTINO
0aue: <u>Jan. 8, 2015</u>	By: <u>UNETrentrack</u>
U .	Thuwad LUK
Date:	By:
	Ahmad R. ASHRAFZADEH
Date:	8y:
	Robert L. KRAUSE
Date:	Ву:
	Etan SHACHAM
Date:	Byt:
	Maria Clemens Ypil QUINONES
Date:	By:
	Jonusz BRYZEK
Date:	By:
	Chung-Lin WU

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Date:	By:
	John CONSTANTINO
Date:	By:
	Timwah LUK
Date: 1/8/2015	By: Kleff. ac
, ,	Ahmad R. ASHRAFZADEH
Date:	Ву:
	Robert L. KRAUSE
Date:	Ву:
	Etan SHACHAM
Date:	Ву:
	Maria Clemens Ypil QUINONES
Date:	Ву:
	Janusz BRYZEK
Date: 01/07/2015	By: Chungtin www

Chung-Lin WU

Attaxney Docket No. 0078-073P01 & 002 Page 3 of 3

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Date:	By:
	John CONSTANTINO
Date:	
	Timwah LUK
Date:	By: Ahmad R. ASHRAFZADEH
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Date: <u>1.8.15</u>	By: <u>000000000000000000000000000000000000</u>
Date:	By:
	Etan SHACHAM
Date:	
	Maria Clemens Ypil QUINONES
Date:	By: Janusz BRYZEK
Date:	By: Chung-Lin WU

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Date: 01/7/2015	By:	Etan SHACHAM
) [Etan SHACHAM
Date:	By:	·.
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Date:	By:	
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Date:	By:
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	Etan SHACHAM
Date: Jan 8, 2015	By: Maprinons
	Maria Clemens Ypil QUINONES
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Passa	
Date:	By:Ahmad R. ASHRAFZADEH
Date:	By:
Date:	
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Date: 1/7/15	By: AMMANUL
Date:	By:Chung-Lin WU

RECORDED: 08/14/2017