

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2859163

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SHUNGNENG LEE	04/18/2014
JUSTIN SENG	05/15/2014
MARWAN ASHKAR	04/14/2014
ION OPRIS	04/12/2014
RECEIVING PARTY DATA	
Name:	FAIRCHILD SEMICONDUCTOR CORPORATION
Street Address:	3030 ORCHARD PARKWAY
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95134
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14217863
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	6123736900
Email:	USPTO@SLWIP.COM
Correspondent Name:	SCHWEGMAN LUNDBERG & WOESSNER / FAIRCHIL
Address Line 1:	P.O. BOX 2938
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402
ATTORNEY DOCKET NUMBER:	2921.388US1
NAME OF SUBMITTER:	KAREN MOON
SIGNATURE:	/Karen Moon/
DATE SIGNED:	05/16/2014
Total Attachments: 13	
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RECORDATION FORM COVER SHEET
PATENTS ONLY

Atty Ref/Docket No.: 2921.388US1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Shungneng Lee, Justin Seng, Marwan Ashkar, Ion Opris

Additional name(s) of conveying party(ies) attached?

[] Yes [X] No

2. Name and address of receiving party(ies):

Name: Fairchild Semiconductor Corporation

Street Address: 3030 Orchard Parkway

City: San Jose State: CA Zip: 95134

Country: United States of America

3. Nature of conveyance:

[X] Assignment [] Merger

[] Security Agreement [] Change of Name

[] Other

Additional name(s) & address(es) attached? [] Yes [X] No

Execution Date: April 18, 2014, May 15, 2014, April 14,
2014, April 12, 2014

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

Serial No. 14/217,863

B. Patent No.(s)

Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Edward J. Sandor

Address:

Schwegman, Lundberg & Woessner, P.A.

P.O. Box 2938

Minneapolis, MN 55402--0938

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 0.00

[] Enclosed

[] Authorized to be charged to deposit account 19-0743

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743

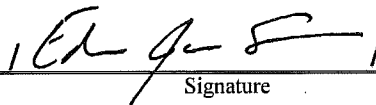
DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Edward J. Sandor/Reg. No. 60,826

Name of Person Signing



Signature

May 15, 2014

Date

Total number of pages including cover sheet: 13

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks

Mail Stop Assignment Recordation Services

P.O. Box 1450

Alexandria, VA 22313-1450

PATENT
REEL: 032914 FRAME: 0703

ASSIGNMENT

WHEREAS, Shungneng Lee, Justin Seng, Marwan Ashkar and Ion Opris (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention") which are described in a patent application filed on March 18, 2014, which application was assigned US patent application serial number 14/217,863, and which is titled TEMPERATURE AND POWER SUPPLY CALIBRATION; which are described in a patent application filed on March 15, 2013, which application was assigned US application serial number 61/798,517, and which is titled PLL-BASED DEMODULATION METHOD FOR A MEMS GYROSCOPE.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to Fairchild Semiconductor Corporation (the "Assignee"), a corporation of the State of Delaware, having a place of business at 3030 Orchard Parkway, San Jose, CA 95134, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the Invention which is disclosed in the above-identified application or applications;

such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such Invention (including any application for a utility model or an innovation patent application);

all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such Invention;

including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such Invention to the Assignee;

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 13488 may (directly or through his/her designee) delete, insert, or alter any

Assignment

Assignors: Shungneng Lee et al.

Title: TEMPERATURE AND POWER SUPPLY CALIBRATION

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Docket No: 2921.388US1

Client Ref. No. 75152US01

information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the Invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for the Invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such Invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions. To the extent that any such provision is found to be unenforceable, the Undersigned, when requested and without compensation shall act in good faith to substitute for such provision a new provision with content and purpose as close as possible to the provision deemed unenforceable.

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

AGREED as of the date of my signature below:

Assignment

Assignors: Shungneng Lee et al.

Title: TEMPERATURE AND POWER SUPPLY CALIBRATION

Page 3 of 6

Docket No: 2921.388US1
Client Ref. No. 75152US01

Assignor:

(Signature): / Shungneng Lee /

Name: Shungneng Lee

City/State: Sunnyvale, CA

Date: Apr 18, 2014

Assignors: Shungneng Lee et al.
Title: TEMPERATURE AND POWER SUPPLY CALIBRATION
Page 4 of 6

Assignment

Assignors: Shungneng Lee et al.

Title: TEMPERATURE AND POWER SUPPLY CALIBRATION

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Docket No: 2921.388US1

Client Ref. No. 75152US01

Assignor:

(Signature): / Marwan Ashkar /

Name: Marwan Ashkar

City/State: Cupertino, CA

Date: Apr 14, 2014

Assignment

Assignors: Shungneng Lee et al.

Title: TEMPERATURE AND POWER SUPPLY CALIBRATION

Page 6 of 6

Docket No: 2921.388US1

Client Ref. No. 75152US01

Assignor:

(Signature):

/ Ion Opris

Name: Ion Opris

City/State: San Jose, CA

Date:

Apr 12, 2014

ASSIGNMENT

WHEREAS, Shungneng Lee, Justin Seng, Marwan Ashkar and Ion Opris (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention") which are described in a patent application filed on March 18, 2014, which application was assigned US patent application serial number 14/217,863, and which is titled TEMPERATURE AND POWER SUPPLY CALIBRATION; which are described in a patent application filed on March 15, 2013, which application was assigned US application serial number 61/798,517, and which is titled PLL-BASED DEMODULATION METHOD FOR A MEMS GYROSCOPE.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to Fairchild Semiconductor Corporation (the "Assignee"), a corporation of the State of Delaware, having a place of business at 3030 Orchard Parkway, San Jose, CA 95134, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the Invention which is disclosed in the above-identified application or applications;

such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such Invention (including any application for a utility model or an innovation patent application);

all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such Invention;

including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such Invention to the Assignee;

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 13488 may (directly or through his/her designee) delete, insert, or alter any

information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the Invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for the Invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such Invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions. To the extent that any such provision is found to be unenforceable, the Undersigned, when requested and without compensation shall act in good faith to substitute for such provision a new provision with content and purpose as close as possible to the provision deemed unenforceable.

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

AGREED as of the date of my signature below:

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Docket No: 2921.388US1
Client Ref. No. 75152US01

Assignor:

(Signature): / /

Name: Shungneng Lee

City/State: Sunnyvale, CA

Date:

Assignment

Assignors: Shungneng Lee et al.

Title: TEMPERATURE AND POWER SUPPLY CALIBRATION

Page 4 of 6

Docket No: 2921.388US1

Client Ref. No. 75152US01

Assignor:

(Signature):



/

Name: Justin Seng

City/State: San Jose, CA

Date: May 15, 2014

Title: TEMPERATURE AND POWER SUPPLY CALIBRATION
Page 6 of 6

Docket No: 2921.388US1
Client Ref. No. 75152US01

Assignor:

(Signature): / /

Name: Ion Opris

City/State: San Jose, CA

Date: