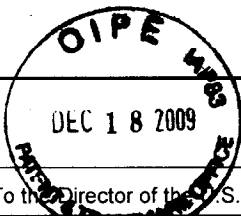


12/18/09



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12-30-2009

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103584961

To the Director of the U.S. Patent and Trademark Office, for recording and attaching documents or the new address(es) below.

1. Name of conveying party(ies)

Gregory J. Rausch
Michael J. Gaboury
Shohei Osaka

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s)

November 13, 2009

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Polar Semiconductor Inc.

Internal Address: _____

Street Address: 2800 East Old Shakopee Road

City: Bloomington

State: MN

Country: US Zip: 55425

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)
12/617,664

☐ This document is being filed together with a new application.
B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Michael A. Collins

Internal Address: Kinney & Lange, P.A.

Street Address: 312 South Third Street

City: Minneapolis

State: MN Zip: 55415

Phone Number: 612-339-1863

Fax Number: 612-339-6580

Email Address: macollins@kinney.com

6. Total number of applications and patents involved: one

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____
b. Deposit Account Number 11-0982
01 FC:8021 00000015 12617664
Authorized User Name Michael A. Collins 40.00 00

9. Signature: Michael A. Collins
Signature

December 18, 2009
Date

Michael A. Collins
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

5

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

Attorney Docket No.

P440.12-0036

First Named Inventor : Gregory J. Rausch
Title : FREQUENCY COMPRESSION FOR AN INTERLEAVED POWER FACTOR CORRECTION (PFC) CONVERTER

WHEREAS, we, Gregory J. Rausch of Minnetonka, Minnesota U.S.A.; Michael J. Gaboury, of Burnsville, Minnesota, U.S.A.; and Shohei Osaka of Saitama, Japan have invented certain new and useful improvements as described in an application entitled FREQUENCY COMPRESSION FOR AN INTERLEAVED POWER FACTOR CORRECTION (PFC) CONVERTER for Letters Patent of the United States, the application being identifiable by its title and named inventors listed above, and/or being identifiable in the United States Patent and Trademark Office by Application 12/617,664, filed November 12, 2009; and

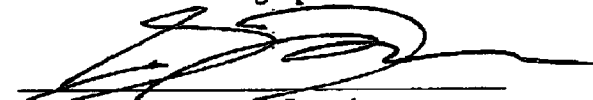
WHEREAS, Polar Semiconductor, Inc., a corporation organized and existing under the laws of the State of Delaware, and having offices at 2800 East Old Shakopee Road, Bloomington, Minnesota 55425-1350, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the application, and any and all Letters Patent or similar legal protection, foreign or domestic, to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title and interest in and to the invention, the above-identified application, corresponding domestic and foreign applications, all Letters Patent or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention; and I authorize the Commissioner of Patents and Trademarks of the United States or foreign equivalent thereof to issue the Letters Patent or similar legal protection to the Assignee.

I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date and application number of the application when ascertained.

I authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

I represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.


Gregory J. Rausch

STATE OF Minnesota)
COUNTY OF Dakota) ss.



Subscribed and sworn to before me, a Notary Public, this 13 day of November, 2009.

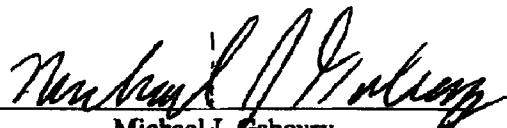

Notary Public

(SEAL)

ASSIGNMENT

Attorney Docket No.

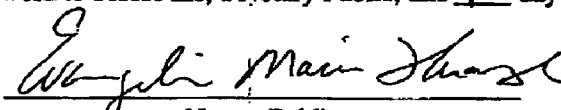
P440.12-0036


Michael J. Gaboury

STATE OF Minnesota)
COUNTY OF Dakota) ss.



Subscribed and sworn to before me, a Notary Public, this 15th day of NOVEMBER, 2009.


Notary Public

(SEAL)

Shohei Osaka

STATE OF _____)
COUNTY OF _____) ss.

Subscribed and sworn to before me, a Notary Public, this ____ day of _____, 2009.

Notary Public

(SEAL)

ASSIGNMENT

Attorney Docket No.

P440.12-0036

First Named Inventor : Gregory J. Rausch

Title : FREQUENCY COMPRESSION FOR AN INTERLEAVED POWER FACTOR CORRECTION (PFC) CONVERTER

WHEREAS, we, Gregory J. Rausch of Minnetonka, Minnesota U.S.A.; Michael J. Gaboury, of Burnsville, Minnesota, U.S.A.; and Shohei Osaka of Saitama, Japan have invented certain new and useful improvements as described in an application entitled FREQUENCY COMPRESSION FOR AN INTERLEAVED POWER FACTOR CORRECTION (PFC) CONVERTER for Letters Patent of the United States, the application being identifiable by its title and named inventors listed above, and/or being identifiable in the United States Patent and Trademark Office by Application 12/617,664, filed November 12, 2009; and

WHEREAS, Polar Semiconductor, Inc., a corporation organized and existing under the laws of the State of Delaware, and having offices at 2800 East Old Shakopee Road, Bloomington, Minnesota 55425-1350, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the application, and any and all Letters Patent or similar legal protection, foreign or domestic, to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title and interest in and to the invention, the above-identified application, corresponding domestic and foreign applications, all Letters Patent or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention; and I authorize the Commissioner of Patents and Trademarks of the United States or foreign equivalent thereof to issue the Letters Patent or similar legal protection to the Assignee.

I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date and application number of the application when ascertained.

I authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

I represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.

Gregory J. Rausch

STATE OF _____)
) ss.
COUNTY OF _____)

Subscribed and sworn to before me, a Notary Public, this ____ day of _____, 2009.

Notary Public

(SEAL)

Page 1 of 2 Pages

PATENT
REEL: 023726 FRAME: 0559

ASSIGNMENT

Attorney Docket No.

P440.12-0036

Michael J. Gaboury

STATE OF _____)
) ss.
COUNTY OF _____)

Subscribed and sworn to before me, a Notary Public, this ____ day of _____, 2009.

Notary Public

(SEAL)

Shohei Osaka

Shohei Osaka

STATE OF _____)
) ss.
COUNTY OF _____)

Subscribed and sworn to before me, a Notary Public, this ____ day of _____, 2009.

Notary Public

(SEAL)