

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE:  | NEW ASSIGNMENT          |               |                      |                     |                         |                   |            |                   |            |                    |            |
|---|-------------------------|---------------|----------------------|---------------------|-------------------------|-------------------|------------|-------------------|------------|--------------------|------------|
| NATURE OF CONVEYANCE:   | ASSIGNMENT              |               |                      |                     |                         |                   |            |                   |            |                    |            |
| <b>CONVEYING PARTY DATA</b>   |                         |               |                      |                     |                         |                   |            |                   |            |                    |            |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>CATHERINE SHEARER</td> <td>02/23/2011</td> </tr> <tr> <td>KENNETH C HOLCOMB</td> <td>02/23/2011</td> </tr> <tr> <td>G DELBERT FRIESEN</td> <td>02/23/2011</td> </tr> <tr> <td>MICHAEL C MATTHEWS</td> <td>02/23/2011</td> </tr> </tbody> </table> |                         | Name          | Execution Date       | CATHERINE SHEARER   | 02/23/2011              | KENNETH C HOLCOMB | 02/23/2011 | G DELBERT FRIESEN | 02/23/2011 | MICHAEL C MATTHEWS | 02/23/2011 |
| Name  | Execution Date          |               |                      |                     |                         |                   |            |                   |            |                    |            |
| CATHERINE SHEARER   | 02/23/2011              |               |                      |                     |                         |                   |            |                   |            |                    |            |
| KENNETH C HOLCOMB   | 02/23/2011              |               |                      |                     |                         |                   |            |                   |            |                    |            |
| G DELBERT FRIESEN   | 02/23/2011              |               |                      |                     |                         |                   |            |                   |            |                    |            |
| MICHAEL C MATTHEWS  | 02/23/2011              |               |                      |                     |                         |                   |            |                   |            |                    |            |
| <b>RECEIVING PARTY DATA</b>   |                         |               |                      |                     |                         |                   |            |                   |            |                    |            |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>ORMET CIRCUITS, INC.</td> </tr> <tr> <td>Street Address:</td> <td>10080 WILLOW CREEK ROAD</td> </tr> <tr> <td>City:</td> <td>SAN DIEGO</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>92131</td> </tr> </table>  |                         | Name:         | ORMET CIRCUITS, INC. | Street Address:     | 10080 WILLOW CREEK ROAD | City:             | SAN DIEGO  | State/Country:    | CALIFORNIA | Postal Code:       | 92131      |
| Name:   | ORMET CIRCUITS, INC.    |               |                      |                     |                         |                   |            |                   |            |                    |            |
| Street Address:   | 10080 WILLOW CREEK ROAD |               |                      |                     |                         |                   |            |                   |            |                    |            |
| City:   | SAN DIEGO               |               |                      |                     |                         |                   |            |                   |            |                    |            |
| State/Country:  | CALIFORNIA              |               |                      |                     |                         |                   |            |                   |            |                    |            |
| Postal Code:  | 92131                   |               |                      |                     |                         |                   |            |                   |            |                    |            |
| <b>PROPERTY NUMBERS Total: 1</b>  |                         |               |                      |                     |                         |                   |            |                   |            |                    |            |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12940203</td> </tr> </tbody> </table>   |                         | Property Type | Number               | Application Number: | 12940203                |                   |            |                   |            |                    |            |
| Property Type   | Number                  |               |                      |                     |                         |                   |            |                   |            |                    |            |
| Application Number:   | 12940203                |               |                      |                     |                         |                   |            |                   |            |                    |            |
| <b>CORRESPONDENCE DATA</b>  |                         |               |                      |                     |                         |                   |            |                   |            |                    |            |
| <p>Fax Number: (858)240-2640</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 858-240-2627</p> <p>Email: jbuspto@babinlaw.com</p> <p>Correspondent Name: Jane K. Babin</p> <p>Address Line 1: 16779 Falcon Bluff Ct</p> <p>Address Line 2: The Law Office of Jane K. Babin, PC</p> <p>Address Line 4: San Diego, CALIFORNIA 92127-3433</p>   |                         |               |                      |                     |                         |                   |            |                   |            |                    |            |
| ATTORNEY DOCKET NUMBER:   | 130-00200.US            |               |                      |                     |                         |                   |            |                   |            |                    |            |
| NAME OF SUBMITTER:  | Jane Babin              |               |                      |                     |                         |                   |            |                   |            |                    |            |
| Total Attachments: 5  |                         |               |                      |                     |                         |                   |            |                   |            |                    |            |

OP \$40.00 12940203

**501451112**

**PATENT**  
**REEL: 025871 FRAME: 0561**

source=130-00200.US.assignment e-filed 2-28-11#page1.tif  
source=130-00200.US.assignment e-filed 2-28-11#page2.tif  
source=130-00200.US.assignment e-filed 2-28-11#page3.tif  
source=130-00200.US.assignment e-filed 2-28-11#page4.tif  
source=130-00200.US.assignment e-filed 2-28-11#page5.tif

## ASSIGNMENT

For valuable consideration, receipt and adequacy of which is hereby acknowledged, we, CATHERINE SHEARER, of San Diego, CA, and a citizen of the USA; KENNETH C. HOLCOMB, of Huntington Beach, CA, and a citizen of the USA; and G. DELBERT FRIESEN, of Huntington Beach, CA, and a citizen of the USA, and MICHAEL C. MATTHEWS, of Encinitas, CA, and a citizen of the USA, (hereinafter referred to as "Assignors") hereby assign to ORMET CIRCUITS, INC., a Delaware corporation, or a corporation organized and existing under and by the virtue of the laws of Delaware having a place of business located at 10080 Willow Creek Road, San Diego, CA 92131 and its successors and assigns (hereinafter referred to as the "Assignee"), the entire right, title and interest throughout the world in and to the invention and improvements which are the subject of a U.S. Patent Application Serial No. 12/940,203, Attorney Docket No. 130-00200.US, filed November 5, 2010; entitled "PREPARATION OF METALLURGIC NETWORK COMPOSITIONS AND METHODS OF USE THEREOF" and related applications and patents, this assignment including said application, any and all United States and foreign patents granted for any of said inventions or improvements thereof, including all divisions, continuations, reissues, continuations-in-part and extensions thereof, and the right to claim priority based on the filing date of said application and based on the filing date of any provisional application of which said application claims the benefit under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our names or in its own name for patents and like rights of exclusion and for inventor's certificates for said inventions and improvements; and we agree for ourselves and our heirs, legal representatives and assigns, without further compensation, upon request to perform such lawful acts, to promptly provide Assignee with all pertinent facts and documents relating to said invention or application as may be known and accessible to us, to testify in any interference or litigation related to said invention or application and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment. The Assignors further transfer and assign to Assignee all causes of action, rights, and remedies arising under any of the

aforementioned applications, patents or like rights of exclusion and inventor's certificates prior to or after the effective date of this Assignment.

The Assignors hereby covenant that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Agreement.

WITNESS my hand at 1:00 p.m. in San Diego,  
this 23 day of February, 2011.

  
CATHERINE SHEARER

#### ACKNOWLEDGEMENT

STATE OF California )  
 ) ss  
COUNTY OF San Diego )

On Feb 23 2011 before me, Susan Sommers, Notary Public,  
(insert name and title of the officer)

personally appeared

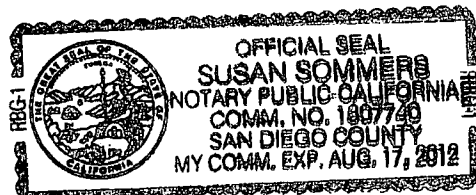
Catherine Shearer,  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s)  
(is/~~are~~) subscribed to the within instrument and acknowledged to me that (he/she/they) executed  
the same in (his/her/their) authorized capacity(ies), and that by (his/her/their) signature(s) on the  
instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the  
instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California  
that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Susan Sommers

Notary Public in and for said County and State



(Notary Seal)

WITNESS my hand at 12:50 AM.  
this 23 day of February 2011, 20  .



KENNETH C. HOLCOMB

ACKNOWLEDGEMENT

STATE OF California )  
COUNTY OF San Diego ) ss

On Feb 23 2011 before me, Susan Sommers, Notary Public,  
(insert name and title of the officer)

personally appeared

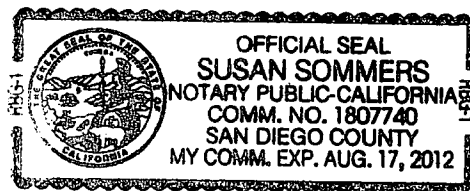
Kenneth C. Holcomb,  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s)  
(is/are) subscribed to the within instrument and acknowledged to me that (he/she/they) executed  
the same in (his/her/their) authorized capacity(ies), and that by (his/her/their) signature(s) on the  
instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the  
instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California  
that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Susan Sommers

Notary Public in and for said County and State



(Notary Seal)

WITNESS my hand at 12:53 PM  
this 23 day of February, 20  .

G. Delbert Friesen  
G. DELBERT FRIESEN

ACKNOWLEDGEMENT

STATE OF California )  
COUNTY OF San Diego ) ss

On Feb 23 2011 before me, Susan Sommers, Notary Public,  
(insert name and title of the officer)

personally appeared

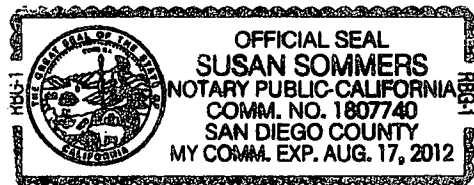
G. Delbert Friesen,  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s)  
(is/are) subscribed to the within instrument and acknowledged to me that (he/she/they) executed  
the same in (his/her/their) authorized capacity(ies), and that by (his/her/their) signature(s) on the  
instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the  
instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California  
that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

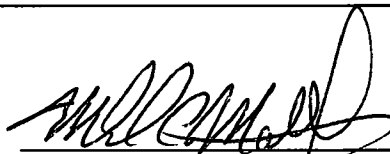
Signature Susan Sommers

Notary Public in and for said County and State



(Notary Seal)

WITNESS my hand at 12:55 pm  
this 23<sup>rd</sup> day of February, 2011.



MICHAEL C. MATTHEWS

ACKNOWLEDGEMENT

STATE OF California )  
COUNTY OF San Diego ) ss

On Feb 23 2011 before me, Susan Sommers, Notary Public,  
(insert name and title of the officer)

personally appeared

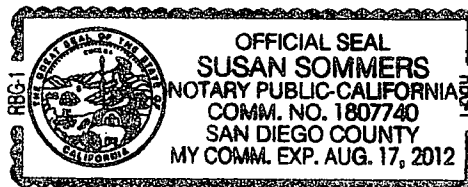
Michael C. Matthews,  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s)  
(is/~~are~~) subscribed to the within instrument and acknowledged to me that (he/~~she~~/~~they~~) executed  
the same in (his/~~her~~/~~their~~) authorized capacity(~~ies~~), and that by (his/~~her~~/~~their~~) signature(s) on the  
instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the  
instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California  
that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Susan Sommers

Notary Public in and for said County and State



(Notary Seal)