

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Dean A Badillo</td> <td>12/12/2012</td> </tr> <tr> <td>Reimund Rebel</td> <td>12/19/2012</td> </tr> <tr> <td>Klaus Juergen Schoepf</td> <td>12/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	Dean A Badillo	12/12/2012	Reimund Rebel	12/19/2012	Klaus Juergen Schoepf	12/19/2012				
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<table border="1"> <tr> <td>Name:</td> <td>Sand 9, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>One Kendall Square</td> </tr> <tr> <td>Internal Address:</td> <td>Suite B2305</td> </tr> <tr> <td>City:</td> <td>Cambridge</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02139-1594</td> </tr> </table>		Name:	Sand 9, Inc.	Street Address:	One Kendall Square	Internal Address:	Suite B2305	City:	Cambridge	State/Country:	MASSACHUSETTS	Postal Code:	02139-1594
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CORRESPONDENCE DATA													
<p>Fax Number: 4806559536  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 480-655-0073        Email: patents@iplawusa.com        Correspondent Name: SCHMEISER OLSEN &amp; WATTS        Address Line 1: 18 E UNIVERSITY DRIVE        Address Line 2: SUITE # 101        Address Line 4: MESA, ARIZONA 85201</p>													
ATTORNEY DOCKET NUMBER:	SAND.14477												
NAME OF SUBMITTER:	Karen E. Jachimowicz												
<p>Total Attachments: 4        source=VARIABLE_PHASE_AMPLIFIER_CIRCUIT_Assign#page1.tif        source=VARIABLE_PHASE_AMPLIFIER_CIRCUIT_Assign#page2.tif        source=VARIABLE_PHASE_AMPLIFIER_CIRCUIT_Assign#page3.tif        source=VARIABLE_PHASE_AMPLIFIER_CIRCUIT_Assign#page4.tif</p>													

CH \$40.00 13720560

### ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, hereby:

1. Sell, assign and transfer to **Sand 9, Inc.**, a Delaware corporation having a place of business at One Kendall Square; Suite B2305; Cambridge, Massachusetts 02139-1594, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office entitled: **VARIABLE PHASE AMPLIFIER CIRCUIT AND METHOD OF USE**, and in and to the application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of the inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on the inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea, as well as the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent;
2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all the inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to me relating to the inventions and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and for vesting title to the inventions and all applications for patents and all patents on the inventions, in the Assignee;
3. Request the Director of the United States Patent and Trademark Office and non-US patent authorities to issue the Letters Patent to the Assignee;
4. Authorize and request Schmeiser, Olsen & Watts, LLP to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation;
5. Covenant with the Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and
6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

Date

12/12/12

Signature

Inventor: Dean A. Badillo

Address: 52 Azalea Drive, Apt 122  
Schaumburg, IL 60173

Citizenship: United States

State/Commonwealth of  
County of

Illinois  
DuPage

On this 12 Day of December, 2012, before me, the undersigned notary public, personally appeared Dean A. Badillo, proved to me through satisfactory evidence of identification, which was known to me, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

Notary Public

My commission expires:

7-25-13



12/19/2012

Date

*Reimund Rebel*

Signature

Inventor: Reimund Rebel

Address: 18198 N. Alicia Court  
Maricopa, AZ 85138

Citizenship: Germany

State/Commonwealth of Arizona  
County of Maricopa

On this 19<sup>th</sup> Day of December, 2012, before me, the undersigned notary public, personally appeared Reimund Rebel, proved to me through satisfactory evidence of identification, which was valid AZ driver's license, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (~~her~~) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.



*[Signature]*  
Notary Public

My commission expires: October 14<sup>th</sup>, 2014

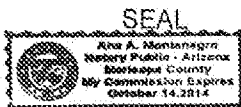
12/19/2012  
Date

Klaus Juergen Schoepf  
Signature

Inventor: Klaus Juergen Schoepf  
Address: 3153 E. Buena Vista Drive  
Chandler, AZ 85249  
Citizenship: Germany

State/Commonwealth of Arizona  
County of Maricopa

On this 19<sup>th</sup> Day of December, 2012, before me, the undersigned notary public, personally appeared Klaus Juergen Schoepf, proved to me through satisfactory evidence of identification, which was valid AZ Driver's License, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.



[Signature]  
Notary Public

My commission expires: October 14<sup>th</sup>, 2014