

## 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>Marcus Granger-Jones</td> <td>06/24/2013</td> </tr> <tr> <td>Michael F. Zybura</td> <td>06/24/2013</td> </tr> <tr> <td>Ruediger Bauder</td> <td>06/24/2013</td> </tr> </tbody> </table>		Name	Execution Date	Marcus Granger-Jones	06/24/2013	Michael F. Zybura	06/24/2013	Ruediger Bauder	06/24/2013		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>RF Micro Devices, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>7628 Thorndike Road</td> </tr> <tr> <td>City:</td> <td>Greensboro</td> </tr> <tr> <td>State/Country:</td> <td>NORTH CAROLINA</td> </tr> <tr> <td>Postal Code:</td> <td>27409</td> </tr> </table>		Name:	RF Micro Devices, Inc.	Street Address:	7628 Thorndike Road	City:	Greensboro	State/Country:	NORTH CAROLINA	Postal Code:	27409
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: 9192382301  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 919-238-2300        Email: patents@wt-ip.com        Correspondent Name: WITHROW &amp; TERRANOVA, P.L.L.C.        Address Line 1: 100 REGENCY FOREST DRIVE        Address Line 2: SUITE 160        Address Line 4: CARY, NORTH CAROLINA 27518</p>											
ATTORNEY DOCKET NUMBER:	2867-1042										
NAME OF SUBMITTER:	Sarah Breeze										
Signature:	/Sarah Breeze/										

Date:

06/25/2013

**Total Attachments: 9**

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## ASSIGNMENT

This Assignment made by us, **Marcus Granger-Jones**, a subject of the United Kingdom, residing at 1230 Whispering Pines Drive, Scotts Valley, California, 95066; **Michael F. Zybura**, a citizen of the United States, residing at 570 Hacienda Drive, Scotts Valley, California, 95066; and **Ruediger Bauder**, a citizen of Germany, residing at Schwaig 4, Feldkirchen-Westerham, Germany, 83620, hereinafter referred to as assignors;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **HYBRID COUPLER**, for which we are about to make application for Letters Patent of the United States, which claims the benefit of Provisional Patent Application Serial Number 61/663,818 filed on June 25, 2012, and for which we have executed a declaration; and

WHEREAS, **RF Micro Devices, Inc.**, a corporation duly organized and existing under the laws of the State of North Carolina and having a principal place of business at 7628 Thorndike Road, City of Greensboro, County of Guilford, State of North Carolina, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in the specification executed by us concurrently herewith, and any and all Letters Patent which shall be granted therefor;

NOW, THEREFORE, To All Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the said assignors, have sold, assigned, transferred and set over unto the said assignee, its successors and assigns, the entire right, title and interest in and to the above-mentioned application and invention and in and to any and all Letters Patent of the United States which may hereafter be

granted therefor, and in any and to any and all continuations, continuations-in-part, substitutions, divisions or reissues of said Letters Patent, the same to be held and enjoyed by the said assignee, for its interest, and for its own use and behalf, and the use and behalf of its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made;

And for the consideration aforesaid, we hereby covenant and agree to and with the said assignee, its successors and assigns, that at the time of the execution and delivery of these presents we are the joint and lawful owners of the entire right, title and interest in and to the invention, application and Letters Patent above-mentioned and that the same are unencumbered, and that we have good right and lawful authority to sell and convey the same in the manner herein set forth;

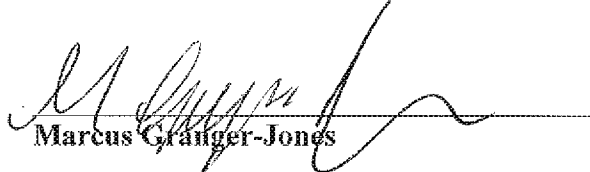
And for the consideration aforesaid, we hereby covenant and agree to and with the said assignee, its successors and assigns, that we will, whenever its counsel or the counsel of its successors and assigns, learned in the law, shall advise that an amendment, division, continuation, continuation-in-part, or substitution of, or any other proceeding in connection with said application, including interference proceedings, is lawful and desirable, sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or for the reissue of the same without charge to our said assignee, its successors or assigns, but at its or their expense;

We hereby request the Commissioner for Patents to issue the Letters Patent in accordance with this instrument;

For the consideration aforesaid, we have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the said assignee, its successors, assigns or nominee, the entire right, title and interest in and to any and all Letters Patent for said invention which may be granted in countries foreign to the United States and in and to any applications for Letters Patent which may be filed for said invention in countries foreign to the United States and in and to the invention described in said application; and we hereby authorize and empower the said assignee, its successors, assigns or nominees to apply for Letters Patent or other form of protection on said invention in its own name or in the name of its successor, assignee, or nominee, in any and all countries where it may desire to file such application and where said application may be filed by another than the inventor; and we hereby covenant and agree to sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for procurement of Letters Patent, or other form of protection, for said invention or inventions in countries foreign to the United States, and for further investing or confirming the right and title therein to the assignee, its successors, assignee, or nominee, without charge to our said assignee, its successor, assignee or nominee, but at its or their expense;

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

06/24/13  
Date

  
\_\_\_\_\_  
Marcus Granger-Jones

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Date

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Michael F. Zybura

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granted therefor, and in any and to any and all continuations, continuations-in-part, substitutions, divisions or reissues of said Letters Patent, the same to be held and enjoyed by the said assignee, for its interest, and for its own use and behalf, and the use and behalf of its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made;

And for the consideration aforesaid, we hereby covenant and agree to and with the said assignee, its successors and assigns, that at the time of the execution and delivery of these presents we are the joint and lawful owners of the entire right, title and interest in and to the invention, application and Letters Patent above-mentioned and that the same are unencumbered, and that we have good right and lawful authority to sell and convey the same in the manner herein set forth;

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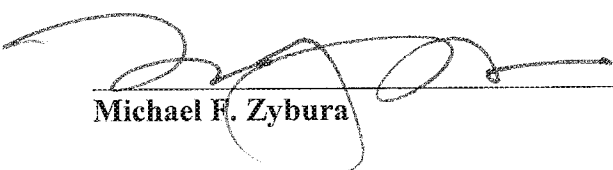
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IN WITNESS WHEREOF, we have hereunto set our hands and seals.

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Date

*June 24, 2013*  
\_\_\_\_\_  
Date

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**Marcus Granger-Jones**

  
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**Michael F. Zybura**

\_\_\_\_\_  
Date

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**Ruediger Bauder**



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**Marcus Granger-Jones**

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Date

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**Michael F. Zybura**

*June 24<sup>th</sup> 2013*

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
**Ruediger Bauder**

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