

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>David Zimlich</td> <td>01/24/2012</td> </tr> <tr> <td>Jean-Christophe Berchtold</td> <td>01/23/2012</td> </tr> <tr> <td>Joseph Hubert Colles</td> <td>01/23/2012</td> </tr> <tr> <td>David E. Jones</td> <td>01/13/2012</td> </tr> <tr> <td>Chris Levesque</td> <td>01/23/2012</td> </tr> <tr> <td>William David Southcombe</td> <td>01/26/2012</td> </tr> <tr> <td>Scott Yoder</td> <td>01/27/2012</td> </tr> <tr> <td>Terry J. Stockert</td> <td>01/13/2012</td> </tr> </tbody> </table>		Name	Execution Date	David Zimlich	01/24/2012	Jean-Christophe Berchtold	01/23/2012	Joseph Hubert Colles	01/23/2012	David E. Jones	01/13/2012	Chris Levesque	01/23/2012	William David Southcombe	01/26/2012	Scott Yoder	01/27/2012	Terry J. Stockert	01/13/2012
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RECEIVING PARTY DATA																			
Name:	RF Micro Devices, Inc.																		
Street Address:	7628 Thorndike Road																		
City:	Greensboro																		
State/Country:	NORTH CAROLINA																		
Postal Code:	27409																		
PROPERTY NUMBERS Total: 1																			
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Application Number:	13287726																		
CORRESPONDENCE DATA																			
Fax Number:	(919)238-2301																		
Phone:	919-238-2300																		
Email:	patents@wt-ip.com																		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>																			
Correspondent Name:	WITHROW & TERRANOVA, P.L.L.C.																		
Address Line 1:	100 REGENCY FOREST DRIVE																		
Address Line 2:	SUITE 160																		
Address Line 4:	CARY, NORTH CAROLINA 27518																		

OP \$40.00 13287726

PATENT

ATTORNEY DOCKET NUMBER:	2867-884
NAME OF SUBMITTER:	Julie Quetel
Total Attachments: 8 source=2867-884_Assignment_signed#page1.tif source=2867-884_Assignment_signed#page2.tif source=2867-884_Assignment_signed#page3.tif source=2867-884_Assignment_signed#page4.tif source=2867-884_Assignment_signed#page5.tif source=2867-884_Assignment_signed#page6.tif source=2867-884_Assignment_signed#page7.tif source=2867-884_Assignment_signed#page8.tif	

ASSIGNMENT

This Assignment made by us, David Zimlich, a citizen of the United States of America, residing at 11259 Paseo Montanoso # 188, City of San Diego, State of California; Jean-Christophe Berchtold, a citizen of the United States of America, residing at 3154 Highland Drive, City of Carlsbad, State of California; Joseph Hubert Colles, a citizen of the United States of America, residing at 31510 Mountain Way, City of Bonsall, State of California; David E. Jones, a citizen of the United States of America, residing at 7121 Deer Horn Trail NE, City of Cedar Rapids, State of Iowa; Chris Levesque, a citizen of Canada, residing at 9344 Watt River, City of Fountain Valley, State of California; William David Southcombe, a citizen of the United States of America, residing at 4594 Da Vinci Street, City of San Diego, State of California; Scott Yoder, a citizen of the United States of America, residing at 7808 Whimbrel Lane, City of Fuquay Varina, State of North Carolina; and Terry J. Stockert, a citizen of the United States of America, residing at 518 Zelda Drive NW, City of Cedar Rapids, State of Iowa; hereinafter referred to as assignors;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **FEEDBACK BASED BUCK TIMING OF A DIRECT CURRENT (DC)-DC CONVERTER**, for which we have applied for Letters Patent of the United States on November 2, 2011, Application Serial Number 13/287,726;

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, 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.

1/24/12
Date

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Christophe Berchtold
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Joseph Hubert Colles
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