

## 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>Clint SMITH</td> <td>03/14/2013</td> </tr> <tr> <td>Declan GANLEY</td> <td>03/15/2013</td> </tr> </tbody> </table>		Name	Execution Date	Clint SMITH	03/14/2013	Declan GANLEY	03/15/2013
Name	Execution Date						
Clint SMITH	03/14/2013						
Declan GANLEY	03/15/2013						
RECEIVING PARTY DATA							
Name:	Rivada Networks, LLC						
Street Address:	7899 Lexington Drive						
Internal Address:	Suite 250						
City:	Colorado Springs						
State/Country:	COLORADO						
Postal Code:	80920						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13830839</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13830839		
Property Type	Number						
Application Number:	13830839						
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NAME OF SUBMITTER:	Robert M Hansen						
Total Attachments: 3 source=1348-014CIP1_Assignment_Signed#page1.tif source=1348-014CIP1_Assignment_Signed#page2.tif source=1348-014CIP1_Assignment_Signed#page3.tif							

OP \$40.00 13830839

**ASSIGNMENT AND AGREEMENT**

*WHEREAS*, Clint SMITH and Declan GANLEY (hereinafter referred to singly and collectively as "ASSIGNOR") have invented a certain invention entitled "METHODS AND SYSTEMS FOR DYNAMIC SPECTRUM ARBITRAGE" filed on March 14, 2013, as U.S. Patent Application No. **13/830,839**, which is a continuation-in-part of U.S. Patent Application No. 13/181,764 filed on July 13, 2011, which claims the benefit of priority to each of U.S. Provisional Patent Application Serial Nos.: 61/364,670 filed on July 15, 2010; 61/410,721 filed on November 5, 2010; 61/479,702 filed on April 27, 2011; and 61/490,471 filed on May 26, 2011.

*WHEREAS*, **Rivada Networks, LLC**, having its principal place of business at 7899 Lexington Drive, Suite 250, Colorado Springs, CO, 80920, United States of America (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire interest therein;

*NOW THEREFORE*, in view of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto ASSIGNEE, its successors and assigns, the full and exclusive right, title, and interest in and to (a) the above-identified invention or inventions and all improvements and modifications thereof, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for the above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

*ASSIGNOR HEREBY AUTHORIZES AND REQUESTS* the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.


*ASSIGNOR HEREBY AGREES* (a) to communicate to ASSIGNEE, its successors and assigns, or their representatives or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and

protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

*ASSIGNOR HEREBY REPRESENTS AND WARRANTS* that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

*ASSIGNOR HEREBY GRANTS* to the law firm of **The Marbury Law Group PLLC** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

*ASSIGNOR UNDERSTANDS AND AGREES* that the attorneys and agents of the law firm of **The Marbury Law Group PLLC** do not personally represent ASSIGNOR or ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.


NAMES AND SIGNATURES OF INVENTORS		
Name: Clint SMITH	Signature: 	Date: 3/14/2013
Name: Declan GANLEY	Signature:	Date:

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NAMES AND SIGNATURES OF INVENTORS		
Name: Clint SMITH	Signature:	Date:
Name: Declan GANLEY	Signature: 	Date: 15/3/13