

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4882452

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
REMEC BROADBAND WIRELESS HOLDINGS, INC.	05/09/2015

**RECEIVING PARTY DATA**

<b>Name:</b>	RBW ACQUISITION CO., LLC
<b>Street Address:</b>	82 COROMAR DRIVE
<b>City:</b>	SANTA BARBARA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	93117

**PROPERTY NUMBERS Total: 24**

Property Type	Number
Patent Number:	6278741
Patent Number:	D457877
Patent Number:	D466496
Patent Number:	6510188
Patent Number:	6785342
Patent Number:	6904098
Patent Number:	6973141
Patent Number:	7012972
Patent Number:	7079605
Patent Number:	7092408
Patent Number:	7130590
Patent Number:	7457591
Patent Number:	7161989
Patent Number:	7170956
Patent Number:	7453986
Patent Number:	7477708
Patent Number:	7613211
Patent Number:	7770010
Patent Number:	7801274
Patent Number:	7835259

PATENT

Property Type	Number
Patent Number:	7945780
Patent Number:	7970080
Patent Number:	7995622
Patent Number:	8180978

**CORRESPONDENCE DATA**

**Fax Number:** (650)687-1183

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

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<b>ATTORNEY DOCKET NUMBER:</b>	388239-990000
<b>NAME OF SUBMITTER:</b>	TIMOTHY W. LOHSE
<b>SIGNATURE:</b>	/Timothy W. Lohse/
<b>DATE SIGNED:</b>	03/23/2018

**Total Attachments: 7**

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PATENT ASSIGNMENT

In consideration of the sum of one dollar (\$1.00) and the consideration recited in that certain Asset Purchase Agreement, dated as of May 9, 2015, by and among Moseley Associates, Inc., a California corporation ("Parent"), and RBW Acquisition Co., LLC, a Delaware limited liability company and a wholly owned subsidiary of Parent ("Assignee"), on the one hand (each of Parent and Assignee having a principal place of business located at 82 Coromar Drive, Santa Barbara (Goleta), California 93117), and REMEC Broadband Wireless Holdings, Inc., a British Virgin Islands corporation ("RBW BVI"), and REMEC Broadband Wireless, LLC, a Delaware limited liability company and a wholly owned subsidiary of RBW BVI ("RBW U.S." and together with RBW BVI, "Assignors"), on the other hand (each of RBW BVI and RBW U.S. having a principal place of business located at 17034 Camino San Bernardo, San Diego, California 92127), and the agreements and covenants contained therein, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound:

Assignors hereby jointly and severally assign, transfer, set over, convey, and deliver to Assignee and its successors and assigns all of Assignors' right, title, and interest (whether joint or separate) in, to and under any and all subject matter of the inventions(s) disclosed and/or claimed in the application for patents and in the issued patents listed in Schedule A hereto; and in, to, and under the said patents and any and all provisionals, continuations, continuations-in-part, continued prosecutions, requests-for-continued-examination, and divisional applications thereof; in, to, and under Assignors' exclusive right to make and prosecute any and all applications for patents, reexaminations, reissues, renewals and extensions thereof; in, to and under any and all patents and convention and treaty rights of all kinds, in the United States of America and all other countries throughout the world, for all such subject matter; in, to, and under any and all know-how and/or confidential, proprietary and/or trade secret information relating to any such subject matter, applications, patents, and/or technology; in, to, and under all rights to sue for present, past, and future infringement or misappropriation relating to any such subject matter, applications, patents and/or technology; in, to and under all rights to enforce any rights and file any causes of action, in law and/or equity, relating to such subject matter, applications, patents and/or technology; and in, to, and under all rights to all income, royalties, fees damages and payments now or hereafter due or payable in respect to any such subject matter, applications, patents and/or technology. The rights, titles and interests of the patents (and applications therefore) referenced on Schedule A hereto are to be held and enjoyed by Assignee and its successors and assigns as fully and exclusively as they would have been held and enjoyed by Assignors had this Assignment not been made. Assignors request the applicable official having authority to issue patents and/or corresponding rights to record this Assignment and to issue the same on the subject matter of said invention(s) to Assignee and its successors and assigns.

Assignors grant to Assignee and its successors, assigns and legal representatives the power to insert on this Assignment (including Schedule A hereto) any further identification, including the application number and filing dates, that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office and any other application governmental authority for recordation of this document.

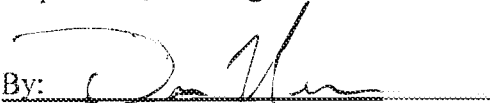
Except for U.S. patent matters arising under U.S. federal law and required by U.S. federal law to be governed by U.S. federal law, and except for foreign patent matters arising under foreign law and required by foreign law to be governed by foreign law, this Assignment shall be governed by and construed in accordance with the internal laws of the State of California, without giving effect to any choice or conflict of law provision or rule (whether of the State of California or any other jurisdiction) that would cause the application of laws of any jurisdictions other than those of the State of California. Any term or provision of this Assignment that is invalid or unenforceable in any situation in any jurisdiction shall not affect the validity or enforceability of the remaining terms or provisions hereof or the validity or enforceability of the offending term or provision in any other situation or in any other jurisdiction. If the final judgment of a court of competent jurisdiction declares that any term or provision hereof is invalid or unenforceable, Assignors and Assignee agree that the court making the determination of invalidity or unenforceability shall have the power to limit the term or provision, to delete specific words or phrases, or to replace any invalid or unenforceable term or provision with a term or provision that is valid and enforceable and that comes closest to expressing the intention of the invalid or unenforceable term or provision, and this Assignment shall be enforceable as so modified.

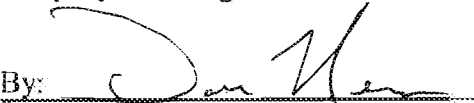
Assignors further agree, for themselves (jointly and severally) and their respective successors and assigns, to execute such further documents and to perform such further lawful acts as may reasonably be requested by the Assignee or Parent to effectuate this assignment.

Witness my hand and seal this 9th day of May 2015.

REMEC BROADBAND WIRELESS HOLDINGS, INC., a British Virgin Island corporation, as Assignor

REMEC BROADBAND WIRELESS, LLC, a Delaware limited liability company, as Assignor

By: 

By: 

Name: DAVE NEWMAN  
Title : CEO

Name: DAVE NEWMAN  
Title : CEO

Attest \_\_\_\_\_

Attest \_\_\_\_\_

[Patent Assignment Signature Page]

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ACKNOWLEDGMENT

Assignee hereby acknowledges receipt of the entire right, title and interest in and to the patents and patent applications listed on Schedule A hereto, and the other rights set forth in the foregoing Patent Assignment, this 9th day of May 2015.

RBW ACQUISITION CO., LLC,  
a Delaware limited liability company ("Assignee")

By: MOSELEY ASSOCIATES, INC.,  
a California corporation, Managing Member

By:   
Name: Jamil N. Hamdani  
Title: Chairman, President & Chief Executive Officer

CALIFORNIA ALL PURPOSE ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA

COUNTY OF San Diego

On 5-4-15 before me, D. Peacock Notary

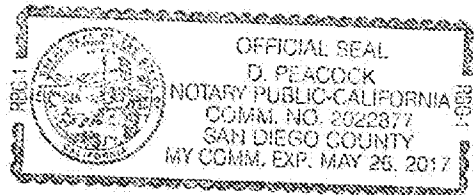
Public, personally appeared David Newman

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: D. Peacock (Seal)



OPTIONAL

Description of Attached Document

Title or Type of Document: PATENT ASSIGNMENT

Number of Pages: THREE (3) (NOT INCLUDING THIS PAGE)

Document Date: MAY \_\_, 2015

Other: \_\_\_\_\_

SCHEDULE A

Patent Applications and Registrations

Issued US Patents		Patent Issue Date	Title
Item	Patent Number	Date	
1	6,278,741	8/21/2001	Timing Recovery Circuit in QAM Modems
2	D457877	5/28/2002	Microwave Antenna Electronics Housing Assembly
3	D466496	12/3/2002	Microwave Antenna Electronics Housing
4	6,510,188	1/21/2003	All Digital Automatic Gain Control Circuit
5	6,667,549	12/23/2003	Micro Circuits with a Sculpted Ground Plane
6	6,741,449	5/25/2004	Direct Digitally Tunable Microwave Oscillators and Filters
7	6,785,342	8/31/2004	Nonlinear Pre-Distortion Modulator and Long Loop Control
8	6,904,098	7/7/2005	Linear Phase Robust Carrier Recovery for QAM Modems
9	6,937,456	8/30/2005	Direct Digitally Tunable Microwave Oscillators and Filters
10	6,937,666	8/30/2005	Wideband Digital Radio with Transmit Modulation Cancellation
11	6,973,141	12/6/2005	Flexible Multimode QAM Modulator
12	7,012,972	3/14/2006	Minimization of Phase Equivocation in Burst Modems
13	7,079,605	7/18/2006	Frequency Estimation Based on Constellation Error in QAM Modems
14	7,092,408	8/15/2006	Plesiochronous Synchronization of Remote Subscriber's Clock to Hub's Clock
15	7,110,738	9/19/2006	Direct digitally tunable microwave oscillators and filters
16	7,130,590	10/31/2006	Transceiver Assembly
17	7,161,989	1/9/2007	CIC QAM Modulator
18	7,170,956	1/30/2007	Frequency Agile Tuner and Variable Rate Decimator for Digital Demodulator
19	7,259,417	8/21/2007	Direct Digitally Tunable Microwave Oscillators and Filters
20	7,310,215	12/18/2007	Direct Digitally Tunable Microwave Oscillators and Filters
21	7,352,995	4/1/2008	Direct Digitally Tunable Microwave Oscillators and Filters
22	7,453,986	11/18/2008	Digital Dental Image Apparatus
23	7,457,591	11/25/2008	Transceiver Assembly
24	7,469,128	12/23/2008	Wideband Digital Radio with Transmit Modulation Cancellation
25	7,477,708	1/13/2009	Modes of Operations in QAM Modems

26	7,505,531	3/17/2009	Signal Communications System and Method for Noisy Links
27	7,613,211	11/3/2009	Digital Clock Smoothing Apparatus and Method
28	7,770,010	8/3/2010	Dynamically Configurable Interleaver Scheme Using at Least One Dynamically Changeable Interleaving Parameters
29	7,801,274	9/21/2010	Digital Dental Image Apparatus Having Low Noise Power Supply System
30	7,835,259	11/16/2010	Control Algorithm Using Hysteresis Sub-States in QAM Modems
31	7,945,780	5/17/2011	Apparatus for Dynamically Configurable Interleaver Scheme Using at Least One Dynamically Changeable Interleaving Parameter
32	7,970,080	6/28/2011	Modes of Operations in QAM Modems Using Hysteresis Sub-States
33	7,995,622	8/9/2011	Digital Clock Smoothing Apparatus and Method
34	8,180,978	5/15/2012	Address Locked Loop
35	8,311,082	11/13/2012	Wideband Digital Radio with Transmit Modulation Cancellation
36	8,731,007	5/20/2014	Digital Microwave Radio Link with a Variety of Ports
37	8,731,030	5/20/2014	Transmission System of Digital Radio Information Using Repeaters While Minimizing Data Transfer Latency
38	8,750,792	6/10/2014	Transmitter for Point-to-Point Radio System

**Issued European (EPO) Patents**

Item	Patent Number	Patent Issue Date	Title
39	EP1222745	12/17/2008	Timing Recovery Circuit in QAM Modems
40	EP1974552	9/18/2013	Digital Microwave Radio Link with a Variety of Ports



US Patent Applications			Title
Item	Application Number	Application Date	
41	US 11/322,972	12/30/2005	Digital microwave radio link with adaptive data rate
42	US 11/825,879	7/9/2007	Digital microwave radio link with adaptive data rate and encryption
43	US 12/684,756	1/8/2010	Digital Microwave Radio Link with a Variety of Ports
44	US 12/969,502	12/15/2010	Millimeter Wave Radio Assembly with Compact Antenna
45	US 13/590,104	8/20/2012	Highly Reliable Actuator with Multiple Degrees of Freedom and Method for Moving Payload
46	US 13/607,539	9/7/2012	Metalized Molded Plastic Components for Millimeter Wave Electronics
47	US 14/034,431	9/23/2013	Transmitter for Point-to-Point Radio System
48	US 13/950,112	7/24/2013	Simultaneous Bidirectional Transmission for Radio Systems
49	US 14/030,959	9/18/2013	Simultaneous Bidirectional Transmission for Radio Systems

European (EPO) Patent Applications			Title
Item	Application Number	Application Date	
50	13184824.4	12/8/2006	Digital Microwave Radio Link with Adaptive Data Rate
51	10842749.3	12/22/2010	Digital Microwave Radio Link with a Variety of Ports
52	11849156.2	12/14/2011	Millimeter Wave Radio Assembly with Compact Antenna

International Patent Cooperation Treaty (PCT) Patent Applications			Title
Item	Application Number	Application Date	
53	US 2010/061929	12/22/2010	Digital Microwave Radio Link with a Variety of Ports
54	US 13/049598	7/8/2013	Highly Reliable Actuator with Multiple Degrees of Freedom and Method for Moving Payload
55	PCT/US2013/052072	7/25/2013	Transmitter for Point-to-Point Radio System
56	PCT/US2013/051884	7/24/2013	Simultaneous Bidirectional Transmission for Radio Systems
57	US 13/58505	9/6/2013	Metalized Molded Plastic Components for Millimeter Wave Electronics