PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3538228

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date				
PUREWAVE NETWORKS, INC.	09/02/2014				

RECEIVING PARTY DATA

Name:	REDLINE INNOVATIONS GROUP INC.			
Street Address:	Street Address: 302 TOWN CENTRE BLVD.			
City:	MARKHAM, ON			
State/Country:	CANADA			
Postal Code:	L3R 0ES			

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14746975

CORRESPONDENCE DATA

Fax Number: (312)425-3909

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.

Email: crivera@nixonpeabody.com **Correspondent Name:** STEPHEN G. RUDISILL Address Line 1: NIXON PEABODY LLP Address Line 2: 300 S. RIVERSIDE PLAZA Address Line 4: CHICAGO, ILLINOIS 60606

ATTORNEY DOCKET NUMBER:	062536-000018USC1
NAME OF SUBMITTER:	STEPHEN G. RUDISILL
SIGNATURE:	/Stephen G. Rudisill/
DATE SIGNED:	09/23/2015

Total Attachments: 7

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PATENT RIGHTS ASSIGNMENT

This Patent Rights Assignment (this "Assignment") is made effective this 2nd day of September, 2014, by and between PUREWAVE NETWORKS, INC., a Delaware corporation, having a usual place of business at 3951 Burton Drive, Santa Clara, CA 95054 ("Assignor") and REDLINE INNOVATIONS GROUP INC., a Delaware corporation, having a usual place of business at 302 Town Centre Blvd., Markham, Ontario L3R 0ES Canada ("Assignee"). Capitalized terms not defined herein have the meanings assigned to such terms in the Purchase Agreement (defined below).

Recitals

- A. Assignor possesses certain rights in and to the patents and applications (and patents issuing on or claiming priority to such patents or applications) set forth on Exhibit A attached hereto and incorporated herein by reference (collectively, and as further defined in the Purchase Agreement (defined below), the "Patent Rights") and the inventions described and/or claimed in the Patent Rights (the "Inventions");
- B. Assignor and Assignee are parties to that certain Asset Purchase Agreement, dated as of the date hereof (the "Purchase Agreement"), pursuant to which Assignor transferred, sold and conveyed to Assignee substantially all of the assets of Assignor relating to the Business, including the Patent Rights and Inventions;
- C. Assignor desires to sell and assign to Assignee all of Assignor's Patent Rights and Inventions and Assignee desires to acquire the Patent Rights and Inventions from Assignor.
- D. The execution and delivery of this Assignment is a condition to Closing under the Purchase Agreement

Agreement

In consideration of the premises set forth herein and in the Purchase Agreement, and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties hereto agree as follows:

Assignor does hereby sell, assign, convey and transfer unto Assignee and its successors, assigns, and legal representatives, Assignor's entire right, title and interest in and throughout the world in and to Inventions, together with Assignor's entire right, title and interest in and to the Patent Rights and such other patents as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of patents and patent applications within the Patent Rights or such other patents, and any right, title and interest Assignor may have in applications to which the Patent Rights claim priority. Assignor shall hold and enjoy the Patent Rights and Inventions for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held by Assignor had this Assignment not been made. In addition, Assignor hereby conveys all of its rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of

industrial property by filing any such applications for patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. Assignor hereby acknowledges that this assignment, being of Assignor's entire right, title and interest in and to the Patent Rights and Inventions, carries with it the right in Assignee to apply for and obtain from competent authorities in all countries of the world any and all patents by attorneys and agents of Assignee's selection and the right to procure the grant of all patents to Assignee in its own name as assignee of Assignor's entire right, title and interest therein.

Assignor does hereby authorize the Director of the United States Patent & Trademark Office, and the empowered officials of all other governments whose duty it is to record patents, applications and title thereto, to record the Patent Rights and title thereto as the property of Assignee, its successors, assigns, or legal representatives in accordance with the terms of this instrument.

Assignor does hereby further authorize and request the Director of the United States Patent and Trademark Office and the empowered officials of all other governments to issue such Patent Rights or patents as shall be granted upon the Patent Rights, or applications based thereon, to Assignee, its successors, assigns, or legal representatives.

Assignee and Assignor also agree that multiple copies of this Assignment may be executed and exchanged by electronic means including by email as a pdf attachment, each of which shall be deemed an original, and each of which shall be valid and binding upon Assignee and Assignor.

[Remainder of page intentionally left blank]

2

Assignor and Assignee have caused this Assignment to be executed by their duly authorized representatives as of the date first written above.

ASSIGNOR:

PUREWAVE NETWORKS, INC.

Name: Richard G. Couch

Title: CEO

ASSIGNEE:

REDLINE INNOVATIONS GROUP INC.

By:

Name: Robert Williams

Title: CEO

[Signature Page to Patent Rights Assignment]

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ASSIGNEE:

REDLINE INNOVATIONS GROUP INC.

By:

Name: Robert Williams

Title: CEO

|Signature Page to Patent Rights Assignment|

Exhibit A

PATENT RIGHTS

(See Attached)

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Methods and system for effectively removing heat from a wireless base station	Sharing of radio resources be access network	Shared backhaul link for multiple wireless systems	Architecture, devices and mein a wireless system	Systems and methods for enl communication network	Methods for supporting multiple operators in a wireless basestation	Mobile base station	Methods and systems for dual-using a reception channel	ystems and methods for rec	Methods and systems for dual-using a reception channel	Systems and Methods for increasing the Eff Pre-Distortion in Electonic Communications	APRICATIONS Systems and Methods for Increasing the Eff Pre-Distortion in Electonic Communications	Architecture, devices and meth channels in a wireless system	llowed (Only awaiting all	Multi-Connection, Non-Simultan Radio Communication Systems	Non-Simultaneous Frequency Systems	Beamforming Using Subset of the Antenna Array	Multi-Connection, Non-Simultan Radio Communication Systems	Multi-Connection, Non-Simultan Radio Communication Systems	Architecture, devices and methods operators in a wireless basestation	Multi-band wireless cellular system and method	Methods and systems for sharing resources access network and a backhaul network	Wireless roaming with dedicated backhaul	Granted	Inver	³ureWave Netwo
tively removing heat from a	Sharing of radio resources between a backhaul link and a radio access network	ple wireless systems	Architecture, devices and methods for allocating radio resources in a wireless system	Systems and methods for enhancing spectral efficiency in a communication network	ole operators in a wireless		al-using a reception channel	Systems and methods for reducing peak to average power ratio	al-using a reception channel	Systems and Methods for Increasing the Effectiveness of Digital Pre-Distortion in Electonic Communications	Applications Systems and Methods for Increasing the Effectiveness of Digital Pre-Distortion in Electonic Communications	Architecture, devices and methods for supporting multiple channels in a wireless system	Allowed (Only awaiting allowance fees to be paid to transition to Granted status)	Multi-Connection, Non-Simultaneous Frequency Diversity in Radio Communication Systems	Non-Simultaneous Frequency Diversity in Radio Communication Systems	f the Antenna Array	Multi-Connection, Non-Simultaneous Frequency Diversity in Radio Communication Systems	Multi-Connection, Non-Simultaneous Frequency Diversity in Radio Communication Systems	Architecture, devices and methods for supporting multiple operators in a wireless basestation	ystem and method	aring resources between a radio aul network	ited backhaul		Invention Name	PureWave Networks Patent Portfolio
Mechanical / Industrial Design	Integrated Wireless Backhaul	Flexible BS (Multi-Band/Operator, etc)	Flexible BS (Multi-Band/Operator, etc)	Algorithms & Architectures	Flexible BS (Multi-Band/Operator, etc)	Moving Base Station	Algorithms & Architectures	Algorithms & Architectures	Algorithms & Architectures	Algorithms & Architectures	Algorithms & Architectures	Flexible BS (Multi-Band/Operator, etc)	tion to Granted status)	Algorithms & Architectures	Algorithms & Architectures	Algorithms & Architectures	Algorithms & Architectures	Algorithms & Architectures	Flexible BS (Multi-Band/Operator, etc)	Flexible BS (Multi-Band/Operator, etc)	Integrated Wireless Backhaul	Flexible BS (Multi-Band/Operator, etc)		Internal Category	
Z P A	NPA	NPA	NPA	NP A	ND A	N _D A	PPA	NPA	N P A	PPA	ND A	NP A		હ	SS	SU	S	હ	S	SU	SU	S		Туре	
20130050939	20130070743	NPA 20130070742	20130072204	20130329774	20130244675							20130070688 19-Sep-11		7263335	7460839	7509146	7586862	7680470	8494587	8538420	8634339	8676193		Patent num	
28-Aug-11	6-Nov-11	6-Nov-11	19-Sep-11	10-Jun-12	9-May-13	5-Dec-13	2-Feb-14	2-Feb-14	2-Feb-14	3-Apr-14	3-Apr-14	19-Sep-11		19-Jul-04	19-Jul-04	3-Aug-05	27-Aug-07	20-Jul-07	19-Sep-11	17-Dec-11	28-Aug-11	6-Nov-11		Filing Date	
						L. L						Will be Oct 2014		28-Aug-07	2-Dec-08	24-Mar-09	8-Sep-09	16-Mar-10	23-Jul-13	17-Sep-13	21-Jan-14	18-Mar-14		Grant date	
13219692	13290102	13290100	13235576	13492896	13890676	14097475	61934779	14170623	14170622	61974920	14244667	13235569		10893823	10893821	11196804	11892743	11878055	13235562	13329257	13219690	13290099		Application Serial Num	
ThemalPW1	FlexibleBS7	FlexibleBS6	FlexibleBS3	RateAdaptation	FlexibleBS10	PW_MobileBS	PW_DSP_PPA1	PW_DSP2	PW_DSP1			FlexibleBS2			Expired due to Clerical Error				FlexibleBS1	HighLowFlexibleBS9	SwitchPW1	FlexibleBS5	1	Internal Reference	
Pending office action must be answered prior to Aug 10, to avoid being abandoned (~\$3,000)												Oct 15 to be issued as a patent (~\$500)												Comments	

Exhibit A

(Continued)

Application/Patent Number	Filing/Issue Date	Country
CN200580031524	18-Jul-2005	China
CN200580048365	14-Dec-2005	China
FR20035189	27-Apr-2004	France
IN2007DN683	25-Jan-2007	India
IN2007DN5120	3-Jul-2007	India
2007-7001677	23-Jan-2007	Korea
2007-7014762	28-Jun-2007	Korea