## PATENT ASSIGNMENT

## Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT				
CONVEYING PARTY DATA							
		Name		Execution Date	ן ר		
Xtendwave Acquisitic	on, LLC			07/29/2009			
RECEIVING PARTY DATA							
Name:	XW, LLC						
Street Address:	P.O. Box 339						
City:	Allen Park						
State/Country:	MICHIGAN						
Postal Code:	48101						
PROPERTY NUMBERS Total: 6							
Property T		Number					
Patent Number:		7394844 7362816					
Patent Number:		7362816					
Patent Number:		7333665					
Patent Number:		7327845					
Application Number:		10756197					
Application Number:		06161			CH \$240.00		
CORRESPONDENCE DATA							
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Address Line 1: 000 Superior / Address Line 2: Suite 2100							
Address Line 4: Cleveland, OH		DHIO 44114					
ATTORNEY DOCKET NUMBER:		30900-5					
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# Total Attachments: 3

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#### PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT ("Assignment") is made and entered into this <u>29</u><sup>44</sup> day of July 2009, by and between Xtendwave Acquisition, LLC, a Michigan limited liability company ("Assignor"), and XW, LLC, a Michigan limited liability company ("Assigner").

WHEREAS, Assignor and Assignee are parties to a certain Contribution Agreement, dated as of May 14, 2009, pursuant to which Assignor has agreed to contribute and Assignee has agreed to receive the Patents, on the terms and conditions set forth in the Contribution Agreement, including the patents identified in Exhibit A hereof (the "Patents").

WHEREAS, pursuant to the Contribution Agreement, Assignor's right, title and interest in and to the Patents is to be assigned to Assignee.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor, by these presents do sell, assign and transfer unto Assignee, its successors and assigns, the full and exclusive right to the Patents and all letters patent of foreign countries which may be or have been issued on the invention disclosed in the Patents, all divisions, reissues, and continuations thereof, and all inventions disclosed therein, together with all claims for damages by reason of past or future infringement, with the right to sue for and collect the same for the use and benefit of Assignee and its successors and assigns.

Assignor warrants that they are the exclusive owners of the entire legal and equitable interest in the Patents and the invention disclosed therein, free and clear of all liens and encumbrances; and that they have full power, authority, and capacity to make this Assignment to Assignee. Assignor covenants and agrees, for themselves and for their successors and assigns that, at Assignee's request, Assignor will cause to be executed and delivered any applications, affidavits, assignments, and other instruments as may be deemed necessary or desirable by Assignee to secure for or vest in Assignee,



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its successors or assigns, all right, title, and interest in and to any application, patent, or other right or property covered by this assignment, including the right to apply for and obtain patents in foreign countries under the provisions of the International Convention; and Assignors hereby request and authorize the United States Commissioner of Patents and Trademarks to issue any and all United States patents granted on the Patents to Assignee as owner of the entire right, title, and interest in and to the same, and authorizes appropriately empowered officials of foreign countries to issue any letters patent granted on the Patents to Assignee as owner of the entire right, title, and interest in and to the same.

IN WITNESS WHEREOF, the undersigned has executed this Assignment as of the date first written above.

**Xtendwave Acquisition, LLC** By: Name: Aziz F-NASER Title: Menter

STATE OF -Has Texas")" Dallar ) SS: COUNTY OF



On this  $\mathcal{A}^{++}$  day of June 2009 personally appeared before melting  $\mathcal{A}^{+-}$  known to me to be <u>a member</u> of Xtendwave Acquisition, LLC who acknowledged that he/she signed this instrument as free act on behalf of Xtendwave Acquisition, LLC.

nder Ann W Notary Public

EXHIBIT A					
	U.S. PATENTS				
Patent/Pub. No.	Title	Issue/Pub. Date			
7,394,844	CODE DIVISION MULTIPLE ACCESS EMPLOYING ORTHOGONAL FILTER BANKS	7/1/2008			
7,362,816	INVERSION OF CHANNEL DISTORTION BY ADAPTIVE WAVELET LIFTING	4/22/2008			
7,333,665	OPTIMAL FILTER-BANK WAVELET MODULATION	2/19/2008			
7,327,845	27,845 TRANSMISSION OF ENCRYPTED MESSAGES BETWEEN A TRANSMITTER AND A RECEIVER UTILIZING A ONE-TIME CRYPTOGRAPHIC PAD				
2008/0214114	INVERSION OF CHANNEL DISTORTION BY ADAPTIVE WAVELET LIFTING	9/4/2008			
2005/0152464	MULTI-CHANNEL WAVELET CODEC	7/14/2005			
	INTERNATIONAL PATENTS				
WIPO Pub. No.	Pub. No. Title				
WO 2006/009583	APPARATUS FOR WAVELET MODULATION BY           ADAPTIVE FILTER BANK				

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RECORDED: 08/29/2009

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