

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Xtendwave Acquisition, 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 Type	Number
Patent Number:	7394844
Patent Number:	7362816
Patent Number:	7333665
Patent Number:	7327845
Application Number:	10756197
Application Number:	12106161
CORRESPONDENCE DATA	
Fax Number:	(216)348-5474
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	216-348-5400
Email:	semhoff@mcdonaldhopkins.com
Correspondent Name:	Stacy L. Emhoff
Address Line 1:	600 Superior Avenue, E.
Address Line 2:	Suite 2100
Address Line 4:	Cleveland, OHIO 44114
ATTORNEY DOCKET NUMBER:	30900-5

CH \$240.00 7394844

500949636

PATENT
REEL: 023163 FRAME: 0276

NAME OF SUBMITTER:

Stacy L. Emhoff

Total Attachments: 3

source=xtendwave#page1.tif

source=xtendwave#page2.tif

source=xtendwave#page3.tif

PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT ("Assignment") is made and entered into this 29th day of ~~June~~ ^{July} 2009, by and between Xtendwave Acquisition, LLC, a Michigan limited liability company ("Assignor"), and XW, LLC, a Michigan limited liability company ("Assignee").

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,

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	TRANSMISSION OF ENCRYPTED MESSAGES BETWEEN A TRANSMITTER AND A RECEIVER UTILIZING A ONE-TIME CRYPTOGRAPHIC PAD	2/5/2008
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.	Title	WIPO Pub. Date
WO 2006/009583	APPARATUS FOR WAVELET MODULATION BY ADAPTIVE FILTER BANK	1/26/2006

Ani