

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>Xiang Yu</td> <td>03/14/2012</td> </tr> <tr> <td>Haiquan Wang</td> <td>03/14/2012</td> </tr> </tbody> </table>		Name	Execution Date	Xiang Yu	03/14/2012	Haiquan Wang	03/14/2012				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>En-Hui Yang</td> </tr> <tr> <td>Street Address:</td> <td>84 Milne Drive</td> </tr> <tr> <td>City:</td> <td>Petersburg, Ontario</td> </tr> <tr> <td>State/Country:</td> <td>CANADA</td> </tr> <tr> <td>Postal Code:</td> <td>N0B 2H0</td> </tr> </table>		Name:	En-Hui Yang	Street Address:	84 Milne Drive	City:	Petersburg, Ontario	State/Country:	CANADA	Postal Code:	N0B 2H0
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: 8777697945 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Email: apsi@fr.com Correspondent Name: Fish & Richardson P.C. Address Line 1: P.O. Box 1022 Address Line 4: Minneapolis, MINNESOTA 55440</p>											
ATTORNEY DOCKET NUMBER:	31234-0014002										
NAME OF SUBMITTER:	Christie Loven										
<p>Total Attachments: 4 source=33217_ASN_Yu_Wang_signed120325#page1.tif source=33217_ASN_Yu_Wang_signed120325#page2.tif source=33217_ASN_Yu_Wang_signed120325#page3.tif source=33217_ASN_Yu_Wang_signed120325#page4.tif</p>											

CH \$40.00 13463967

WORLDWIDE ASSIGNMENT

WHEREAS XIANG YU, HAIQUAN WANG and EN-HUI YANG, whose full post office addresses are respectively, 295 Phillip Street, Ext. 74329, Waterloo, Ontario, N2L 3W8, Canada; College of Communications Engineering, Hangzhou Dianzi University, Hangzhou, Zhejiang, China and 84 Milne Drive, Petersburg, Ontario, N0B 2H0, Canada have invented certain new and useful improvements in a **METHOD AND SYSTEM FOR OPTIMIZING QUANTIZATION FOR NOISY CHANNELS** for which the following applications were filed:

CA	2714634	Feb 13 2009
EP	09710255.5	Feb 13 2009
US	12/371127	Feb 13 2009
US	61/028956	Feb 15 2008
WO	PCT/CA2009/000176	Feb 13 2009

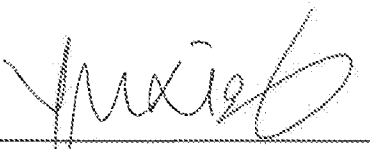
AND WHEREAS, EN-HUI YANG has acquired from XIANG YU and HAIQUAN WANG, the whole right, title and interest for the United States of America and all other countries in and to the said invention, and in and to any Letters Patent that may be obtained therefore, and in and to said application.

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of all of which is hereby acknowledged, We, XIANG YU and HAIQUAN WANG, by these presents confirm that we have sold, assigned and transferred and do hereby sell, assign and transfer unto the said EN-HUI YANG, our entire right to the said invention in the United States of America and all other countries and our entire right, title and interest in and to any and all Letters Patent which may be granted therefore, and our entire right, title and interest in and to said application, and in and to any divisions, continuations, continuations-in-part and extensions of said application, together with the right to claim the benefit of the right of priority provided by the International Convention for the Protection Of Industrial Property based on said application for United States Letters Patent. We agree that we will without further consideration do all such things and execute all such documents as may be necessary or desirable to obtain and maintain patents for said invention and for additions and modifications thereto in any and all countries, and to vest title thereto in said assignee, its successors, assigns and legal representatives or nominees.

We hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said EN-HUI YANG, the assignee of the entire right, title and interest in and to the same, for his sole use and benefit, and for the use and benefit of his successors and assigns, to the full end of the term for which Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made.

The undersigned hereby grant(s) the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:



XIANG YU
295 Phillip Street, Ext. 74329,
Waterloo, Ontario,
N2L 3W8, Canada


Date: Mar. 14, 2012

STATEMENT BY WITNESS

I, JING WANG, whose full Post Office address is

295 Phillip Street, Waterloo, ON, N2L 3W8, Canada
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.



(Signature of Witness)

Date: Mar. 14, 2012

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Haiquan Wang

Date: March 14, 2012

HAIQUAN WANG
College of Communications Engineering,
Hangzhou Dianzi University,
Hangzhou, Zhejiang, China

STATEMENT BY WITNESS

I, Lei Shen, whose full Post Office address is

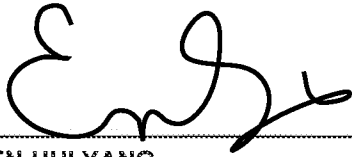
College of Communications Engineering, Hangzhou Dianzi University
No. 2 street, Xiasha, (Address of Witness) Hangzhou, Zhejiang, China

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Lei Shen
(Signature of Witness)

Date: March, 14, 2012

IN WITNESS WHEREOF, this Worldwide Assignment has been accepted by the undersigned:



EN-HUI YANG
84 Milne Drive,
Petersburg, Ontario,
N0B 2H0, Canada

March 25, 2012
Date: _____

STATEMENT BY WITNESS

Jin Meng
I, _____, whose full Post Office address is

Apt. 409, 274 Erb St. W., Waterloo, ON, N2L 1W2

(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.



(Signature of Witness)

March 25, 2012
Date: _____