

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT						
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT						
<b>CONVEYING PARTY DATA</b>							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Liang Zhang</td> <td>11/24/2008</td> </tr> <tr> <td>Louis Thibault</td> <td>12/01/2008</td> </tr> </tbody> </table>		Name	Execution Date	Liang Zhang	11/24/2008	Louis Thibault	12/01/2008
Name	Execution Date						
Liang Zhang	11/24/2008						
Louis Thibault	12/01/2008						
<b>RECEIVING PARTY DATA</b>							
<b>Name:</b>	Her Majesty the Queen in Right of Canada, as represented by the Minister of Industry, through the Communications Research Centre Canada						
<b>Street Address:</b>	3701 Carling Avenue						
<b>City:</b>	Ottawa						
<b>State/Country:</b>	CANADA						
<b>Postal Code:</b>	K2H 8S2						
<b>PROPERTY NUMBERS Total: 1</b>							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12274037</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12274037		
Property Type	Number						
Application Number:	12274037						
<b>CORRESPONDENCE DATA</b>							
<b>Fax Number:</b>	(613)523-3784						
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<b>NAME OF SUBMITTER:</b>	Annette Abdali						

**OP \$40.00 12274037**

Total Attachments: 3  
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ASSIGNMENT OF INVENTION  
UNIVERSAL

WHEREAS, we **Liang ZHANG and Louis THIBAUT**, whose full post office addresses are **48 Keighley Circle, Ottawa, Ontario, K2K 3H8, Canada** and **22 rue Marcoux, Gatineau, Quebec, J8Z 2G8, Canada**, respectively, have made an invention as described in the patent application entitled

**RECEIVER FOR DIFFERENTIALLY MODULATED MULTICARRIER SIGNALS**

filed herewith.

I/we hereby authorize my/our attorney to insert here in parentheses (Application Number 12/274,037, filed November 19, 2008), the filing date and application number of said application, when known.

WHEREAS, **Her Majesty the Queen in Right of Canada, as represented by the Minister of Industry, through the Communications Research Centre Canada**, (hereinafter referred to as the assignee), whose full post office address is **3701 Carling Avenue, Ottawa, Ontario, K2H 8S2, Canada**, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and in and to any and all patents to be obtained therefor;

NOW, THEREFORE, To All Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we have and by these presents do hereby sell, assign and transfer unto said assignee, its successors and assignees, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application, and in and to any applications filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents, reissues or

extensions thereof to be obtained in this or any foreign country upon said invention or inventions, and any divisional, continuation, substitute application(s) or supplementary disclosure(s) which may be filed upon said invention or inventions, in any country; and I/we hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said assignee.

I/We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such wilful false statements may jeopardize the validity of the application or any patent issued thereon.

Executed this 24 day of Nov., 2008.

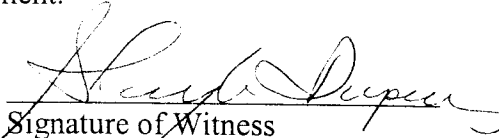
at OTTAWA, ON

  
Liang ZHANG


**Declaration by Witness**

I, Sheryle Dupuis, whose full post office address is  
11 Hazynal Crt St. Hsuille say:

That I was personally present and did see **Liang ZHANG**, who is personally known to me, duly sign and execute the above Assignment.

  
Signature of Witness

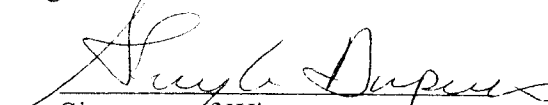
Executed this 1 day of DECEMBER, 2008.  
at OTTAWA, ON.

  
\_\_\_\_\_  
**Louis THIBAUT**

**Declaration by Witness**

I, Sherepe Dupuis, whose full post office address is  
11 hazyndale St. Htsville say:

That I was personally present and did see **Louis THIBAUT**, who is personally known to me, duly sign and execute the above Assignment.

  
\_\_\_\_\_  
Signature of Witness