

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Liang ZHANG</td> <td>12/08/2009</td> </tr> <tr> <td>Demin WANG</td> <td>12/08/2009</td> </tr> <tr> <td>Houman RASTGAR</td> <td>12/08/2009</td> </tr> <tr> <td>Andre VINCENT</td> <td>12/08/2009</td> </tr> </tbody> </table>		Name	Execution Date	Liang ZHANG	12/08/2009	Demin WANG	12/08/2009	Houman RASTGAR	12/08/2009	Andre VINCENT	12/08/2009
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Her Majesty the Queen in Right of Canada, as represented by the Minister of Industry, through the Communications Research Centre Canada</td> </tr> <tr> <td>Street Address:</td> <td>3701 Carling Avenue</td> </tr> <tr> <td>City:</td> <td>Ottawa</td> </tr> <tr> <td>State/Country:</td> <td>CANADA</td> </tr> <tr> <td>Postal Code:</td> <td>K2H 8S2</td> </tr> </table>		Name:	Her Majesty the Queen in Right of Canada, as represented by the Minister of Industry, through the Communications Research Centre Canada	Street Address:	3701 Carling Avenue	City:	Ottawa	State/Country:	CANADA	Postal Code:	K2H 8S2
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CORRESPONDENCE DATA											
<p>Fax Number: (613)523-6799 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 613-523-3784 Email: lisa@patents.org Correspondent Name: Teitelbaum & MacLean Address Line 1: 280 Sunnyside Avenue Address Line 4: Ottawa, CANADA K1S 0R8</p>											
ATTORNEY DOCKET NUMBER:	102-48 US										
NAME OF SUBMITTER:	Neil Teitelbaum										
Total Attachments: 5											

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PATENT
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ASSIGNMENT OF INVENTION
UNIVERSAL

WHEREAS, we **Liang ZHANG, Demin WANG, Houman RASTGAR and André VINCENT**, whose full post office addresses are **93 Cambior Crescent, Ottawa, Ontario, Canada, K2T 1J3; 5 Westmeath Crescent, Ottawa, Ontario, Canada, K2K 3A9; 105 Snowshoe Crescent, Thornhill, Ontario, Canada, L3T 4M8; and 99 F. Beland, Gatineau, Quebec, Canada, J8R 1G2**, have made an invention as described in the patent application entitled

**ESTIMATION OF IMAGE RELATIONS FROM POINT CORRESPONDENCES
BETWEEN IMAGES**

filed herewith.

We hereby authorize our attorney to insert here in parentheses (Application Number 12/633,463 , filed December 8, 2009), the filing date and application number of said application, when known.

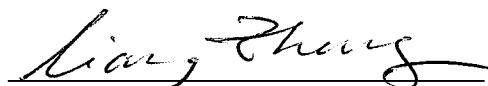
WHEREAS, **Her Majesty the Queen in Right of Canada**, as represented by the **Minister of Industry**, through the **Communications Research Centre Canada**, (hereinafter referred to as the assignee), whose full post office address is **3701 Carling Avenue, Ottawa, Ontario, K2H 8S2, Canada**, is desirous 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, 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 we hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said assignee.

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 8 day of Dec, 2009,
at Ottawa, Ontario.


Liang ZHANG

Declaration by Witness

I, Shenye Dupuis, whose full post office address is
1142401 Crt St. Henville 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 8 day of December, 2009,
at Ottawa.



Demin WANG

Declaration by Witness

I, Stevie Dupuis, whose full post office address is
11 LAZYBIRD CT ST. HSVILLE say:

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


Signature of Witness

Executed this ____ day of _____, 2009,
at _____.

Houman RASTGAR

Declaration by Witness

I, _____, whose full post office address is
_____ say:

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

Signature of Witness

Executed this 8 day of December, 2009,


at Ottawa.


Demin WANG

Declaration by Witness

I, Shenle Dupuis, whose full post office address is
11 Lazy Hill Ct Stittsville say:

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


Signature of Witness

Executed this 8 day of December, 2009,

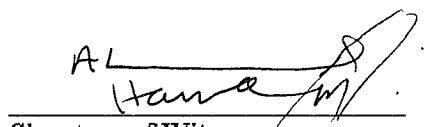
at Ottawa.


Houman RASTGAR

Declaration by Witness

I, Abdelwahab Haman, whose full post office address is
338 Boul du Plateau, Qc say:

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


Signature of Witness

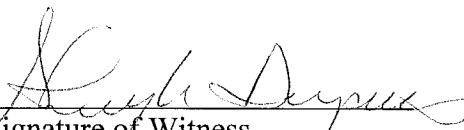
Executed this 8 day of December, 2009,
at Ottawa, Ontario.


André VINCENT

Declaration by Witness

I, Sheryl Dupuis, whose full post office address is
11 Longwood Crt Stittville say:

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


Signature of Witness