

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Qin Lu</td> <td>06/14/2012</td> </tr> <tr> <td>Graham Fleming</td> <td>06/14/2012</td> </tr> </tbody> </table>		Name	Execution Date	Qin Lu	06/14/2012	Graham Fleming	06/14/2012						
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Qin Lu	06/14/2012												
Graham Fleming	06/14/2012												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Landmark Graphics Corporation</td> </tr> <tr> <td>Street Address:</td> <td>2107 CityWest Blvd</td> </tr> <tr> <td>Internal Address:</td> <td>Bldg. 2</td> </tr> <tr> <td>City:</td> <td>Houston</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>77042</td> </tr> </table>		Name:	Landmark Graphics Corporation	Street Address:	2107 CityWest Blvd	Internal Address:	Bldg. 2	City:	Houston	State/Country:	TEXAS	Postal Code:	77042
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Street Address:	2107 CityWest Blvd												
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PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>US2012042728</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	US2012042728								
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PCT Number:	US2012042728												
CORRESPONDENCE DATA													
<p>Fax Number: 6057911857</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 6123736900</p> <p>Email: jolinares@slwip-rc.com</p> <p>Correspondent Name: Schwegman Lundberg & Woessner, P.A.</p> <p>Address Line 1: PO Box 2938</p> <p>Address Line 4: Minneapolis, MINNESOTA 55402</p>													
ATTORNEY DOCKET NUMBER:	1880.397WO1												
NAME OF SUBMITTER:	Janine Olinars												
<p>Total Attachments: 5</p> <p>source=1880 397WO1 - Assignment_signed#page1.tif</p> <p>source=1880 397WO1 - Assignment_signed#page2.tif</p> <p>source=1880 397WO1 - Assignment_signed#page3.tif</p> <p>source=1880 397WO1 - Assignment_signed#page4.tif</p> <p>source=1880 397WO1 - Assignment_signed#page5.tif</p>													

CH \$40.00 US2012042728

RECORDATION FORM COVER SHEET
PATENTS ONLY

Atty Ref/Docket No.: 1880.397WO1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Qin Lu, Graham Fleming

Additional name(s) of conveying party(ies) attached?

[] Yes [X] No

3. Nature of conveyance:

[X] Assignment

[] Merger

[] Security Agreement [] Change of Name

[] Other

Execution Date: June 14, 2012, June 14, 2012

2. Name and address of receiving party(ies):

Name: Landmark Graphics Corporation

Street Address: 2107 CityWest Blvd.
Bldg. 2

City: Houston State: TX Zip: 77042

Country: United States of America

Additional name(s) & address(es) attached? [] Yes [X] No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. PCT/US2012/042728, filed June 15, 2012

Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Mark V. Muller

Address:

Schwegman, Lundberg & Woessner, P.A.
P.O. Box 2938
Minneapolis, MN 55402-0938

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

[] Enclosed

[X] Authorized to be charged to deposit account
19-0743

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Mark V. Muller/Reg. No. 37,509

Name of Person Signing


Signature

DECEMBER 6, 2012

Date

Total number of pages including cover sheet: 5

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Mail Stop Assignment Recordation Services
P.O. Box 1450
Alexandria, VA 22313-1450

PATENT
REEL: 029423 FRAME: 0937

ASSIGNMENT

WHEREAS, Qin Lu, Graham Fleming (hereinafter the "Undersigned") has [have] made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention") which are described in a patent application filed on PCT/US2012/042728, which application was assigned PCT patent application serial number June 15, 2012, and which is titled PARALLEL NETWORK SIMULATION APPARATUS, METHODS, AND SYSTEMS.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to Landmark Graphics Corporation (the "Assignee"), a corporation of the State of Delaware, having a place of business at 2107 CityWest Blvd., Bldg. 2, Houston, TX 77042, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the Invention which is disclosed in the above-identified application or applications;

such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such Invention (including any application for a utility model or an innovation patent application);

all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such Invention;

including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such Invention to the Assignee;

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 21186 may (directly or through his/her designee) delete, insert, or alter any

Assignment

Assignors: Qin Lu et al.

Title: PARALLEL NETWORK SIMULATION APPARATUS, METHODS, AND SYSTEMS

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Client Ref. No. 2012-IP-057917 U1 PCT/E-Billing 2012-IPRO-057917

information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the Invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for the Invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such Invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions. To the extent that any such provision is found to be unenforceable, the Undersigned, when requested and without compensation shall act in good faith to substitute for such provision a new provision with content and purpose as close as possible to the provision deemed unenforceable.

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

AGREED as of the date of my signature below:

Assignment

Assignors: Qin Lu et al.

Title: PARALLEL NETWORK SIMULATION APPARATUS, METHODS, AND SYSTEMS

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Docket No: 1880 397WO1

Client Ref. No. 2012-IP-057917 U1 PCT/E-Billing 2012-IPRO-057917

Assignor:

(Signature):

Qin Lu

Name: Qin Lu

City/State: Katy, TX

Date:

6/14/2012

STATE OF

TEXAS

)ss

COUNTY OF

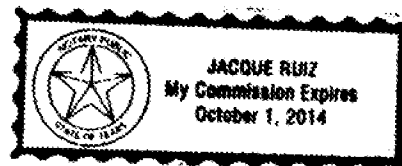
HARRIS

On this 14th day of JUNE, 2012 before me personally appeared Qin Lu, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Jacque Ruiz

Notary Public



PATENT

REEL: 029423 FRAME: 0940

Assignment

Assignors: Qin Lu et al.

Title: PARALLEL NETWORK SIMULATION APPARATUS, METHODS, AND SYSTEMS

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Docket No: 1880 397WO1

Client Ref. No. 2012-IP-057917 U1 PCT/E-Billing 2012-IPRO-057917

Assignor:

(Signature): Graham Fleming

Name: Graham Fleming

City/State: Houston, TX

Date: 6/14/2012

STATE OF TEXAS)

)ss

COUNTY OF HARRIS)

On this 14th day of June, 2012 before me personally appeared Graham Fleming, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Jacque Ruiz

Notary Public

