

## 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>Robello SAMUEL</td> <td>08/08/2012</td> </tr> <tr> <td>Umesh N. REDDY</td> <td>07/25/2012</td> </tr> <tr> <td>R. Daniel COLVIN</td> <td>07/11/2012</td> </tr> <tr> <td>Ramakrishna R. CHADA</td> <td>07/25/2012</td> </tr> <tr> <td>Olivier R. GERMAIN</td> <td>07/25/2012</td> </tr> </tbody> </table>		Name	Execution Date	Robello SAMUEL	08/08/2012	Umesh N. REDDY	07/25/2012	R. Daniel COLVIN	07/11/2012	Ramakrishna R. CHADA	07/25/2012	Olivier R. GERMAIN	07/25/2012
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Landmark Graphics Corporation</td> </tr> <tr> <td>Street Address:</td> <td>2107 City West Blvd., 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 City West Blvd., Bldg. 2	City:	Houston	State/Country:	TEXAS	Postal Code:	77042		
Name:	Landmark Graphics Corporation												
Street Address:	2107 City West Blvd., Bldg. 2												
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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>US2012045415</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	US2012045415								
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CORRESPONDENCE DATA													
<p>Fax Number: 5126103456          Phone: 5126103410          Email: mscott@conleyrose.com  <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: CONLEY ROSE, P.C. Mark E. Scott          Address Line 1: 2508 Ashley Worth Blvd., Suite 200          Address Line 4: Austin, TEXAS 78738</p>													
ATTORNEY DOCKET NUMBER:	2149-03501												
NAME OF SUBMITTER:	Mark E. Scott												

CH \$40.00 US2012045415

**Total Attachments: 6**

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## ASSIGNMENT

IN CONSIDERATION OF TEN DOLLARS (\$10.00) cash in hand paid to us by LANDMARK GRAPHICS CORPORATION, and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, ROBELLO SAMUEL, UMESH N. REDDY, R. DANIEL COLVIN, RAMAKRISHNA R. CHADA, and OLIVIER R. GERMAIN ("ASSIGNORS"), having made an invention in **METHOD AND SYSTEM OF DISPLAYING DATA ASSOCIATED WITH DRILLING A BOREHOLE**, while in the employ either as an employee or consultant of LANDMARK GRAPHICS CORPORATION, a corporation doing business at Houston, Texas (sometimes hereinafter called "ASSIGNEE"), do hereby ASSIGN, SELL and CONVEY to said ASSIGNEE its successors and assigns, the entire right, title and interest throughout the world in and to:

1. Said invention in **METHOD AND SYSTEM OF DISPLAYING DATA ASSOCIATED WITH DRILLING A BOREHOLE**;
2. U.S. provisional patent application on said invention, filed July 22, 2011, having Application Ser. No. 61/510,550, titled "**SYSTEM AND METHOD FOR VISUALIZING AND AUTOMATING REAL-TIME DRILLING OPTIMIZATION**";
3. PCT patent application on said invention, filed July 3, 2012, having Application Ser. No. PCT/US2012/045415, titled "**METHOD AND SYSTEM OF DISPLAYING DATA ASSOCIATED WITH DRILLING A BOREHOLE**";
4. All applications for patent or like protection on said invention that have now been or may in the future be made by us or our legal representatives, including any continuation, continuation-in-part and any other utility applications that may be based on this invention, whether in the United States of America or any other place anywhere in the world;
5. All patents and like protection that have now been or may in the future be granted on said invention to us or our legal representatives, whether in the United States of America or in any other country or place anywhere in the world;
6. All substitutions for and divisions, continuations, continuations-in-part, renewals, reissues, extensions, and the like of said applications and patents and like grants, including without limitation, those obtained or permissible under past, present and future laws and statutes;
7. All rights of action on account of past, present and future unauthorized

use of said invention and for infringement of said patents and like protection;

8. The right in ASSIGNEE to file in its name applications for patents and like protection for said invention in any country or countries foreign to the United States; and
9. All international rights of priority associated with said invention, applications, patents and like protection;

and we covenant that we, and our heirs, legal representatives, assigns, administrators, and executors, will, at the expense of ASSIGNEE, its successors and assigns, execute all papers and perform such other acts as may be reasonably necessary to give ASSIGNEE, its successors and assigns, the full benefit of this Assignment.

EXECUTED on the date indicated below, opposite my signature.

ASSIGNORS

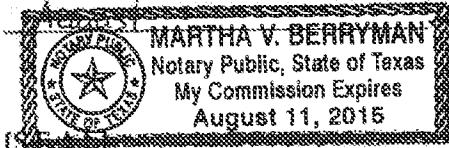
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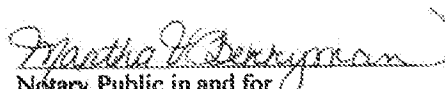
  
ROBELLO SAMUEL

THE STATE OF TEXAS           §  
  §  
COUNTY OF Harris           §

BEFORE ME, the undersigned authority, on this day personally appeared ROBELLO SAMUEL, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 8 day of



  
Notary Public in and for  
the State of TEXAS

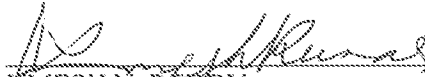
My Commission Expires:

8-11-2015

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EXECUTED on the date indicated below, opposite my signature.

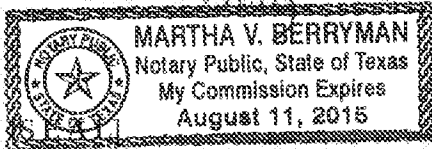
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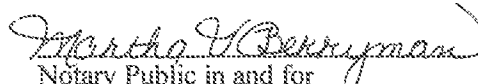
  
UMESH N. REDDY

THE STATE OF TEXAS           §  
  §  
COUNTY OF Harris           §

BEFORE ME, the undersigned authority, on this day personally appeared UMESH N. REDDY, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 25 day of July, 2012.



  
Notary Public in and for  
the State of TEXAS

My Commission Expires:

8-11-2015

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EXECUTED on the date indicated below, opposite my signature.

Date: July 11, 2012

R. Daniel Colvin  
R. DANIEL COLVIN

THE STATE OF TEXAS

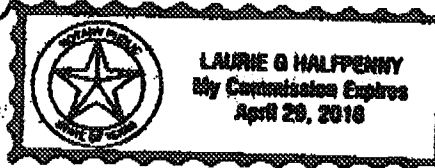
COUNTY OF Hays

§  
§  
§

BEFORE ME, the undersigned authority, on this day personally appeared R. DANIEL COLVIN, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 11<sup>th</sup> day of July, 2012.

[SEAL]



Laurie G Halpenny  
Notary Public in and for  
the State of TEXAS

My Commission Expires:

04/29/2016

\*\*\*\*\*

EXECUTED on the date indicated below, opposite my signature.

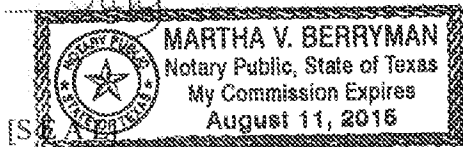
Date: 7/25/2012

C. Ramakrishna  
RAMAKRISHNA R. CHADA

THE STATE OF TEXAS           §  
  §  
COUNTY OF Harris       §

BEFORE ME, the undersigned authority, on this day personally appeared RAMAKRISHNA R. CHADA, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 25 day of July, 2012.



Martha V. Berryman  
Notary Public in and for  
the State of TEXAS

My Commission Expires:

8-11-2015

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EXECUTED on the date indicated below, opposite my signature.

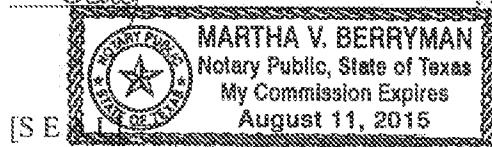
Date: 7/25/2012

  
OLIVIER R. GERMAIN

THE STATE OF TEXAS       §  
  §  
COUNTY OF Harris       §

BEFORE ME, the undersigned authority, on this day personally appeared OLIVIER R. GERMAIN, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 25 day of July, 2012.



  
Notary Public in and for  
the State of TEXAS

My Commission Expires:

8-11-2015

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