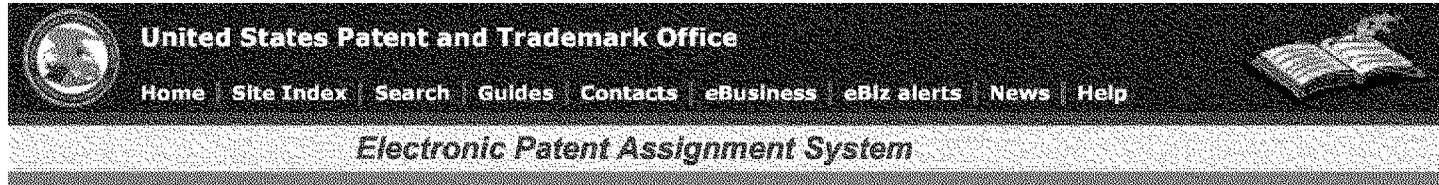


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PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT										
NATURE OF CONVEYANCE:	Corrective Assignment to correct the TITLE OF THE APPLICATION previously recorded on Reel 059095 Frame 0168. Assignor(s) hereby confirms the ASSIGNMENT.										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>ANDREW DAVIES</td> <td>02/17/2022</td> </tr> <tr> <td>MICHAEL SIMMONS</td> <td>02/17/2022</td> </tr> <tr> <td>LAWRENCE COWLIFF</td> <td>02/17/2022</td> </tr> <tr> <td>ESTANISLAO NICOLÁS KOZŁOWSKI</td> <td>02/21/2022</td> </tr> </tbody> </table>		Name	Execution Date	ANDREW DAVIES	02/17/2022	MICHAEL SIMMONS	02/17/2022	LAWRENCE COWLIFF	02/17/2022	ESTANISLAO NICOLÁS KOZŁOWSKI	02/21/2022
Name	Execution Date										
ANDREW DAVIES	02/17/2022										
MICHAEL SIMMONS	02/17/2022										
LAWRENCE COWLIFF	02/17/2022										
ESTANISLAO NICOLÁS KOZŁOWSKI	02/21/2022										
RECEIVING PARTY DATA											
Name:	HALLIBURTON ENERGY S INC.										
Street Address:	3000 N. SAM HOUSTON PARKWAY E.										
City:	HOUSTON										
State/Country:	TEXAS										
Postal Code:	77032-3219										
PROPERTY NUMBERS Total: 2											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>17679996</td> </tr> <tr> <td>PCT Number:</td> <td>US2217732</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	17679996	PCT Number:	US2217732				
Property Type	Number										
Application Number:	17679996										
PCT Number:	US2217732										

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CORRESPONDENCE DATA

Fax Number: (404)541-3116
Phone: 14048156500
Email: andavis@kilpatricktownsend.com
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.
Correspondent Name: KILPATRICK TOWNSEND & STOCKTON LLP
Address Line 1: 1100 PEACHTREE STREET NE
Address Line 2: SUITE 2800
Address Line 4: ATLANTA, GEORGIA 30309

**ATTORNEY DOCKET
NUMBER:**

061429-1292196/1292194

NAME OF SUBMITTER:

ANGIE DAVIS

Signature:

/Angie Davis/

Date:

04/06/2022

Total Attachments: 9

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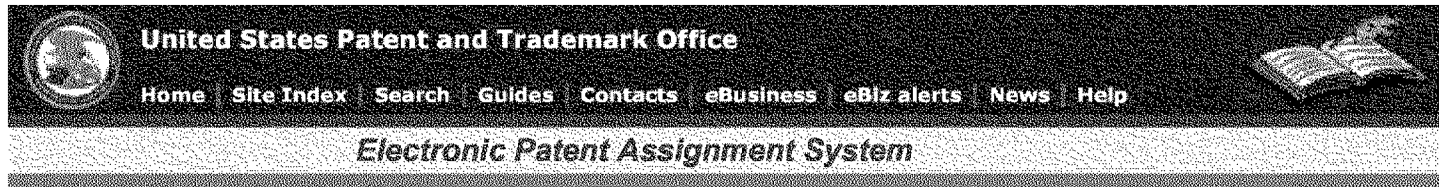
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
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LAWRENCE COWLIFF	02/17/2022										
ESTANISLAO NICOLÁS KOZLOWSKI	02/21/2022										
RECEIVING PARTY DATA											
Name:	LANDMARK GRAPHICS CORPORATION										
Street Address:	3000 N. SAM HOUSTON PARKWAY E.										
City:	HOUSTON										
State/Country:	TEXAS										
Postal Code:	77032-3219										
PROPERTY NUMBERS Total: 2											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>17679996</td> </tr> <tr> <td>PCT Number:</td> <td>US2217732</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	17679996	PCT Number:	US2217732				
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PCT Number:	US2217732										
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Fax Number: (404)541-3116
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Address Line 1: 1100 PEACHTREE STREET NE
Address Line 2: SUITE 2800
Address Line 4: ATLANTA, GEORGIA 30309

**ATTORNEY DOCKET
NUMBER:**

061429-1292196/1292194

NAME OF SUBMITTER:

ANGIE DAVIS

Signature:

/Angie Davis/

Date:

02/24/2022

Total Attachments: 5

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DOCKET NO.: 2021-INV-110865-US01
(061429-1292196)

DECLARATION AND ASSIGNMENT

DOCKET NUMBER: 2021-INV-110865-US01

TITLE: DETERMINING RESERVOIR HETEROGENEITY FOR OPTIMIZED DRILLING LOCATION

As an inventor, I declare that:

This declaration is directed to the patent application(s) accompanying this declaration and assignment. The patent application(s) accompanying this Declaration and Assignment is referred to as the "Application." The term "Invention" means any disclosure, invention, improvement, or discovery disclosed in the Application.

I affirm the following:

- 1) the Application was made or authorized to be made by me;
- 2) I believe that I am the original inventor or an original joint inventor of a claimed Invention in the Application;
- 3) I have reviewed and understand the content of the Application, including the claims;
- 4) I am aware that I have a duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined by 35 U.S.C. §1.56(b); and
- 5) I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

FURTHERMORE, the undersigned hereby assigns or has assigned, and hereby transfers or has transferred to **Landmark Graphics Corporation**, a Delaware corporation having a principal place of business at 3000 N. Sam Houston Parkway E., Houston, TX 77032-3219, and any of its successors, legal representatives, and assignees the entire worldwide right, title, and interest in and to the Invention, the Application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefrom in the United States and in all foreign countries and jurisdictions, including all continuing applications (i.e., divisionals, continuations, continuations-in-part), reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents.

In addition, the undersigned authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to **Landmark Graphics Corporation**, its successors, legal representatives, and assignees, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by **Landmark Graphics Corporation**, its successors, legal representatives, and assignees to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made.

The undersigned also agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and

DECLARATION AND ASSIGNMENT

DOCKET NO.: 2021-INV-110865-US01 (061429-1292196)

TITLE: DETERMINING RESERVOIR HETEROGENEITY FOR OPTIMIZED DRILLING LOCATION

Page 2 of 5


all related patents and applications, for **Landmark Graphics Corporation**, its successors, legal representatives, and assignees, whenever requested by **Landmark Graphics Corporation**, its successors, legal representatives, or assignees.

The undersigned further agrees to: (a) cooperate with **Landmark Graphics Corporation**, in the protection of the invention and prosecution of domestic and foreign patent applications claiming the Invention; (b) execute, verify, acknowledge and deliver further documents, including patent applications and instruments of transfer; and (c) perform such other acts as **Landmark Graphics Corporation**, lawfully may request to obtain or maintain any patent arising from the Application and any and all applications and registrations for the Invention in any and all countries.

The undersigned acknowledges any prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to **Landmark Graphics Corporation**, and possesses the full and unencumbered right to assign and transfer the rights hereby assigned, and transferred. The undersigned has not executed, and will not execute, any document or instrument in conflict with this Assignment. The undersigned also hereby grants **Landmark Graphics Corporation**, its successors, legal representatives, and assignees, the right to insert in this Assignment any further identification (including, but not limited to, the Application) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of Texas, and any disputes will be resolved in a Texas state court or federal court sited in Texas.

Assignor 1:

(Signature):


ANDREW DAVIES

City/State: West Hagbourne, Oxfordshire, UK

Date:

17/2/2022

DECLARATION AND ASSIGNMENT

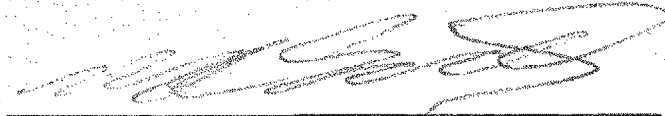
DOCKET NO.: 2021-INV-110865-US01 (061429-1292196)

TITLE: DETERMINING RESERVOIR HETEROGENEITY FOR OPTIMIZED DRILLING LOCATION

Page 3 of 5

Assignor 2:

(Signature):



MICHAEL SIMMONS
Wantage, Oxfordshire, UK

Date:

17 FEBRUARY 2022

DECLARATION AND ASSIGNMENT

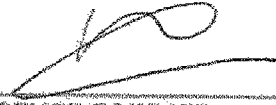
DOCKET NO.: 2021-INV-110865-US01 (061429-1292196)

TITLE: DETERMINING RESERVOIR HETEROGENEITY FOR OPTIMIZED DRILLING LOCATION

Page 4 of 5

Assignor 3:

(Signature):



LAWRENCE COWLIFF
Chartham, Canterbury, Kent, UK

Date:

17/02/2022

DECLARATION AND ASSIGNMENT

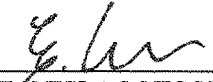
DOCKET NO.: 2021-INV-110865-US01 (061429-1292196)

TITLE: DETERMINING RESERVOIR HETEROGENEITY FOR OPTIMIZED DRILLING LOCATION

Page 5 of 5

Assignor 4:

(Signature):



ESTANISLAO NICOLÁS KOZŁOWSKI
Abingdon, Oxfordshire, UK

Date:

21 FEB 2022



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

FEBRUARY 25, 2022

PTAS

KILPATRICK TOWNSEND & STOCKTON LLP
1100 PEACHTREE STREET NE
SUITE 2800
ATLANTA, GA 30309

507147094

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RECORDATION DATE: 02/24/2022

REEL/FRAME: 059095/0168
NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 061429-1292196/1292194

ASSIGNOR:

DAVIES, ANDREW

DOC DATE: 02/17/2022

ASSIGNOR:

SIMMONS, MICHAEL

DOC DATE: 02/17/2022

ASSIGNOR:

COWLIFF, LAWRENCE

DOC DATE: 02/17/2022

ASSIGNOR:

KOZLOWSKI, ESTANISLAO NICOLÁS

DOC DATE: 02/21/2022

ASSIGNEE:

LANDMARK GRAPHICS CORPORATION
3000 N. SAM HOUSTON PARKWAY E.
HOUSTON, TEXAS 77032-3219

APPLICATION NUMBER: 17679996

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: ~~DETERMINING RESERVOIR HETEROGENEITY FOR A WELLBORE OPERATION~~

DETERMINING RESERVOIR HETEROGENEITY FOR OPTIMIZED DRILLING LOCATION

059095/0168 PAGE 2

APPLICATION NUMBER:

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

PCT NUMBER: US2217732

TITLE: ~~DETERMINING RESERVOIR HETEROGENEITY FOR A WELLBORE OPERATION~~

DETERMINING RESERVOIR HETEROGENEITY FOR OPTIMIZED DRILLING LOCATION

ASSIGNMENT RECORDATION BRANCH

PUBLIC RECORDS DIVISION

FAX COVER SHEET

TO	Status inquiry re: Notice of Recordation for Corrected Assignment filed 4/6/2022 (061429-1292196; 061429-1292194)
FROM	Angie Davis
EMAIL	andavis@kilpatricktownsend.com
FAX NUMBER	15712730140
DATE	6/8/2022 4:14:42 PM EDT

COVER MESSAGE

Dear Sirs,

We are checking on the status of the NOR for the attached submission filed April 6, 2022.

Thank you and best regards,

Angie Davis



Angie Davis

Paralegal

Kilpatrick Townsend & Stockton LLP

Suite 2800 | 1100 Peachtree Street NE | Atlanta, GA 30309-4528

office 404 541 6678 | cell 770 380 3359 | fax 404 541 3116

andavis@kilpatricktownsend.com | www.kilpatricktownsend.com | vCard

-----Original Message-----

From: EPAS Server <epas-server@uspto.gov>

Sent: Wednesday, April 06, 2022 2:41 PM

To: Davis, Angie <AnDavis@kilpatricktownsend.com>

Subject: Assignment confirmation receipt ID: PAT7265504

ELECTRONIC PATENT ASSIGNMENT SYSTEM (EPAS) CONFIRMATION RECEIPT

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Electronic Assignment Server at <https://epas.uspto.gov>

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