

<b>PATENT ASSIGNMENT COVER SHEET</b>
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
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<b>Name</b>	<b>Execution Date</b>
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<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17131072
<b>PCT Number:</b>	US2066840
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<b>SIGNATURE:</b>	/Tambra White/
<b>DATE SIGNED:</b>	12/23/2020
<b>Total Attachments: 2</b>	
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source=Assignment#page2.tif	

**ASSIGNMENT OF INTELLECTUAL PROPERTY RIGHTS  
IN PATENT APPLICATION**

Whereas we, the undersigned inventors, have invented certain new and useful innovations as set forth in the provisional patent application entitled:

**AUTOMATED HORIZON LAYER EXTRACTION FROM SEISMIC DATA FOR  
WELLBORE OPERATION CONTROL**

the specification of which was filed with the U.S. Patent & Trademark Office on December 22, 2020, and assigned application no. 17/131,072.

For one dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which we acknowledge, we:

1. Agree to assign, transfer, convey, and sell, hereby assign, transfer, convey, and sell and have assigned, transferred, conveyed, and sold to Landmark Graphics Corporation, a corporation of the State of Delaware having a principal place of business at 3000 N. Sam Houston Parkway E., Houston, Texas 77032-3219 (“Assignee”), the entire right, title, and interest in and to:
  - (a) all intellectual property (including, without limitation, any innovation, information, invention, discovery, product, process, work or design) disclosed, embodied, shown, or claimed in the above-referenced patent application, implicitly or explicitly;
  - (b) the above-referenced patent application, the right to claim priority to the above-referenced patent application, all applications based in whole or in part upon the above-referenced patent application, including, without limitation, all applications that are a provisional, non-provisional, design, divisional, continuation, continuation-in-part, registration, utility model, industrial design, reissue, renewal, substitute, extension, reexamination, post-grant review, inter partes review, supplemental examination or non-U.S. patent application or application for other rights based in whole or in part on the above-referenced patent application;
  - (c) all patents (including, without limitation, all U.S. and non-U.S. patents, registrations, utility models, industrial designs, design patents, counterparts, continuations, continuations-in-part, divisionals, reissues, renewals, substitutes, extensions, reexaminations, post-grant reviews, inter partes reviews and supplemental examinations) that are granted or issued upon, or that claim priority to, any and all applications described in (b) of this paragraph or that disclose or claim intellectual property described in (a) of this paragraph, in whole or in part; and

*Assignment of Intellectual Property Rights in Application*

Attorney Docket: 061429-1216287 (2020-IPM-104403 U1 US)

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2. Authorize and request the U.S. Patent and Trademark Office or any other U.S. or non-U.S. agency to issue to the Assignee any and all patent(s), or other rights or documents, resulting from the intellectual property, patent application(s) and patents described in paragraph 1 of this Assignment.
3. Agree to sign all papers and documents, including without limitation, applications, declarations, oaths and petitions, and, at the Assignee's expense, perform any other acts that are necessary in connection with prosecution of patent application(s) or intellectual property described in paragraph 1 of this Assignment and the enforcement of patent(s) or other rights resulting from such patent application(s) or intellectual property.
4. Agree that the terms, covenants, and conditions of this Assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon us, as well as our heirs, legal representatives, and assigns.
5. Promise and affirm that we have not entered, and will not enter, into any assignment, contract, or understanding that conflicts with this Assignment.
6. Authorize Kilpatrick Townsend & Stockton to insert above the application number and filing date of the above-described patent application when known.

Dated: December 16, 2020

DocuSigned by:  
 / *Xuan Nam Nguyen* /  
 Xuan Nam Nguyen

Dated: December 16, 2020

DocuSigned by:  
 / *Xuewei Tan* /  
 Xuewei Tan