

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT7115332

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
AHMED FOU DA	12/20/2021
JUNWEN DAI	12/16/2021
XUSONG WANG	12/21/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HALLIBURTON ENERGY SERVICES, INC.
<b>Street Address:</b>	3000 N. SAM HOUSTON PARKWAY E.
<b>City:</b>	HOUSTON
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77032-3219
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17567666
<b>PCT Number:</b>	US2022011840
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
<b>Phone:</b>	12819624503
<b>Email:</b>	rflynt@ctumeylawgroup.com
<b>Correspondent Name:</b>	C. TUMEY LAW GROUP, PLLC - HES
<b>Address Line 1:</b>	P.O. BOX 890226
<b>Address Line 4:</b>	HOUSTON, TEXAS 77062-9998
<b>ATTORNEY DOCKET NUMBER:</b>	1560-133900 AND 133901
<b>NAME OF SUBMITTER:</b>	JOHN ROSS FLYNT
<b>SIGNATURE:</b>	/rflynt/
<b>DATE SIGNED:</b>	01/10/2022
<b>Total Attachments: 4</b>	
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source=2021-INV-110771-US01_Assignment-signed#page2.tif	
source=2021-INV-110771-US01_Assignment-signed#page3.tif	



ASSIGNMENT

Whereas, We, **Ahmed Fouda, Junwen Dai, and Xusong Wang** ("ASSIGNORS"), have invented **MULTI-CHANNEL MACHINE LEARNING MODEL-BASED INVERSION**, and

Whereas, **Halliburton Energy Services, Inc.**, a Delaware Corporation having a place of business at 3000 N. Sam Houston Parkway E., Houston, Texas 77032-3219, United States of America (sometimes hereinafter called "ASSIGNEE"), is desirous of acquiring an interest therein,

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, We do hereby ASSIGN, SELL and CONVEY to said **Halliburton Energy Services, Inc.**, its successors and assigns, the entire right, title and interest throughout the world in and to:

1. Said invention in **MULTI-CHANNEL MACHINE LEARNING MODEL-BASED INVERSION**,
2. United States Patent application on said invention, Application No. 17/567,666, filed January 3, 2022, entitled **MULTI-CHANNEL MACHINE LEARNING MODEL-BASED INVERSION**, Halliburton Reference No. **2021-INV-110771-US01**; (The undersigned hereby grant(s) the firm of C. Tumey Law Group, PLLC of 1150 Clear Lake City Blvd., Suite 201, Houston, Texas 77062 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document);
3. All applications for patent or like protection on said invention that have now been or may in the future be made by me or my 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 in any other country or place anywhere in the world;
4. All patents and like protection that have now been or may in the future be granted on said invention to me or my legal representatives, whether in the United States of America or in any other country or place anywhere in the world;
5. 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;
6. 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;
7. 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

8. 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 this 20th day of December, 2021

Ahmed Fouada  
Ahmed Fouada

STATE OF Texas )  
COUNTY OF Brazoria ) ss

Before me personally appeared said **Ahmed Fouada** and acknowledged the foregoing instrument to be his free act and deed this \_\_\_ day of \_\_\_\_\_, 2021.

Seal \_\_\_\_\_  
(Notary)

**OR**

In the presence of:  
Sara Amin  
(Witness's Name)

Sara Amin  
(Witness's Signature)

WITNESS CONTACT INFORMATION: 2321 Delta Bridge Dr., Pearland, TX 77584  
(Witness's Full Address)

In the presence of:  
Baris Guner  
(Witness's Name)

Baris Guner  
(Witness's Signature)

WITNESS CONTACT INFORMATION: 3121 BUFFALO SPEEDWAY, APT 2301, HOUSTON, TX, 77098  
(Witness's Full Address)



Executed this 21 day of December, 2021

WANGXUSONG  
Xusong Wang

STATE OF )  
) ss  
COUNTY OF )

Before me personally appeared said **Xusong Wang** and acknowledged the foregoing instrument to be his free act and deed this \_\_\_ day of \_\_\_\_\_, 2021.

Seal \_\_\_\_\_  
(Notary)

**OR**

In the presence of:

Huiwen Sheng  
(Witness's Name)

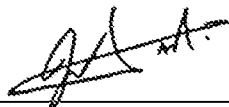
  
(Witness's Signature)

WITNESS CONTACT INFORMATION:

#06-21, 46 Lakeside Drive, Singapore, 648324  
(Witness's Full Address)

In the presence of:

Ho Yin Ma  
(Witness's Name)

  
(Witness's Signature)

WITNESS CONTACT INFORMATION:

#04-04, 10 West Coast Crescent, Singapore 128041  
(Witness's Full Address)