506423448 12/28/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6470205

| SUBMISSION TYPE: | NEW ASSIGNMENT | |
|-----------------------|----------------|--|
| NATURE OF CONVEYANCE: | ASSIGNMENT | |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| MANISH KUMAR MITTAL | 12/24/2020 |
| ROBELLO SAMUEL | 12/23/2020 |

RECEIVING PARTY DATA

| Name: | LANDMARK GRAPHICS CORPORATION |
|-----------------|--------------------------------|
| Street Address: | 3000 N. SAM HOUSTON PARKWAY E. |
| City: | HOUSTON |
| State/Country: | TEXAS |
| Postal Code: | 77032 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 17135231 |

CORRESPONDENCE DATA

Fax Number: (972)480-8865

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.

Phone: 972-480-8800

Email: docket@pj-iplaw.com

Correspondent Name: HALLIBURTON ENERGY SERVICES, INC. C/O PA

Address Line 1: 14241 DALLAS PARKWAY

Address Line 2: SUITE 620

Address Line 4: DALLAS, TEXAS 75254

| ATTORNEY DOCKET NUMBER: 2020-104455 U1 US | |
|---|-------------------|
| NAME OF SUBMITTER: | J. JOEL JUSTISS |
| SIGNATURE: | /J. Joel Justiss/ |
| DATE SIGNED: | 12/28/2020 |

Total Attachments: 3

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PATENT 506423448 REEL: 054756 FRAME: 0001

DOCKET NO: 2020-104455 U1 US PATENT

ASSIGNMENT

For valuable consideration, we, Manish Kumar Mittal, a resident of Cypress, TX; and Robello Samuel, a resident of Cypress, TX; assign to Landmark Graphics Corporation, a corporation of Delaware, having a place of business at 3000 N. Sam Houston Parkway E., Houston, Texas 77032-3219, U.S.A., and its successors, assigns (collectively hereinafter called "the Assignee), the entire right, title and interest throughout the world in the inventions and improvements which are subject of a US Application entitled "EFFECT OF HOLE CLEANING ON TORQUE AND DRAG" this assignment including said application, any and all United States and foreign applications and patents, utility models, and design registrations for any of said inventions or improvements; and the right to claim priority based on the filing date of said application under all treaties; and we hereby authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assign, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

> PATENT REEL: 054756 FRAME: 0002

| | /Manish Kumar Mittal/ |
|----------------------|---|
| | Manish Kumar Mittal |
| In the State of | § |
| In the County of USA | § |
| | ember, 2020, before me personally came Manish Kumar dual described herein and who executed the foregoing ation of the same. |
| | Notary Public in and for the State of |
| | - OR - |
| | /Natalie Faith Mittal/ |
| | Signature of Witness |
| | Natalie Faith Mittal |
| | Printed Name of Witness |

PATENT REEL: 054756 FRAME: 0003

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RECORDED: 12/28/2020

| Potello | |
|----------------|--|
| Robello Samuel | |

| | Robello Samuel |
|--------------------------|--|
| In the State of 19-200 | § |
| In the County of Horr IS | § |
| | 2020, before me personally came Robello Samuel, to cribed herein and who executed the foregoing instrument and ne. |
| | Notary Public in and for the State of |
| | - OR - |
| | Signature of Witness |
| | Printed Name of Witness |

PATENT REEL: 054756 FRAME: 0004