505231414 12/11/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JONATHAN D. MARSHALL	12/10/2018
GEOFF DOWNTON	12/10/2018
SCOTT R. WOOLSTON	12/06/2018
DAVID R. HALL	12/06/2018

RECEIVING PARTY DATA

Name:	NOVATEK IP, LLC	
Street Address:	2185 TRACY HALL PARKWAY	
City:	PROVO	
State/Country:	UTAH	
Postal Code:	84606	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16216966

CORRESPONDENCE DATA

Fax Number:

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: 713-689-2273

Email: USDocketing@slb.com
Correspondent Name: NOVATEK IP, LLC

Address Line 1: 10001 RICHMOND AVENUE Address Line 4: HOUSTON, TEXAS 77042

ATTORNEY DOCKET NUMBER:	85.0525	
NAME OF SUBMITTER:	PHILIP W. TOWNSEND, III	
SIGNATURE:	/Philip W. Townsend, III/	
DATE SIGNED:	12/11/2018	

Total Attachments: 4

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PATENT 505231414 REEL: 047748 FRAME: 0591

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WHEREAS, Jonathan D. Marshall, hereinafter called the "Assignor," is one of the inventors named in the United States Patent Application entitled "Unidirectionally Extendable Cutting Element Steering." The Assignor authorizes patent practitioners associated with the United States Patent & Trademark Office Customer Number 54800 to insert here in parentheses the filing date and application serial number of the said Application:

Filing Date: (Dec. 11, 2018), Application Serial No. (16/216,966).

WHEREAS, Novatek IP, LLC, whose address is 2185 Tracy Hall Parkway, Provo, Utah 84606, hereinafter called the "Assignee" desires to acquire the entire right, title, and interest in and to the invention and the patent application identified above, and all patents which may be obtained from said invention.

NOW, THEREFORE, for valuable and legally sufficient consideration, the receipt of which is hereby acknowledged, the Assignor hereby sells, assigns, and transfers to the Assignee, the entire right, title, and interest in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States and in all other countries together with the entire right, title and interest in all continuations, divisions, renewals and extensions thereof to the full end of the term or terms for all such patents.

The Assignor hereby covenants and agrees to assist the Assignee, his representatives, successors and assigns, in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and the Assigner will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of the assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this assignment.

IN TESTIMONY WHEREOF, I have duly executed this assignment on this 10 day of December, 2018.

Jonathan D. Marshall

WHEREAS, Geoff Downton, bereinafter called the "Assignor," is one of the inventors named in the United States Patent Application entitled "Unidirectionally Extendable Cutting Element Steering." The Assignor authorizes patent practitioners associated with the United States Patent & Trademark Office Customer Number 54800 to insert here in parentheses the filing date and application serial number of the said Application:

Filing Date: (Dec. 11, 2018), Application Serial No. (16/216,966).

WHEREAS, Novatek IP, LLC, whose address is 2185 Tracy Hall Parkway, Provo, Utah 84606, hereinafter called the "Assignee" desires to acquire the entire right, title, and interest in and to the invention and the patent application identified above, and all patents which may be obtained from said invention.

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The Assignor hereby covenants and agrees to assist the Assignee, his representatives, successors and assigns, in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and the Assigner will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of the assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this assignment.

IN TESTIMONY WHEREOF, I have duly executed this assignment on this ______day of

100000 DIA 2018

Gooff Downton

WHEREAS, Scott R. Woolston, hereinafter called the "Assignor," is one of the inventors named in the United States Patent Application entitled "Unidirectionally Extendable Cutting Element Steering." The Assignor authorizes patent practitioners associated with the United States Patent & Trademark Office Customer Number 54800 to insert here in parentheses the filing date and application serial number of the said Application:

Filing Date: (Dec. 11, 2018), Application Serial No. (16/216, 966).

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The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this assignment.

IN TESTIMONY WHEREOF, I have duly executed this assignment on this 6 day of 0cc mbs., 2018.

Scott R. Woolston

WHEREAS, David R. Hall, hereinafter called the "Assignor," is one of the inventors named in the United States Patent Application entitled "Unidirectionally Extendable Cutting Element Steering." The Assignor authorizes patent practitioners associated with the United States Patent & Trademark Office Customer Number 54800 to insert here in parentheses the filing date and application serial number of the said Application:

Filing Date: (Dec. 11, 2018), Application Serial No. ([6/216, 966).

WHEREAS, Novatek IP, LLC, whose address is 2185 Tracy Hall Parkway, Provo, Utah 84606, hereinafter called the "Assignee" desires to acquire the entire right, title, and interest in and to the invention and the patent application identified above, and all patents which may be obtained from said invention.

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The Assignor hereby covenants and agrees to assist the Assignee, his representatives, successors and assigns, in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and the Assigner will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of the assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this assignment.

IN TESTIMONY WHEREOF, I have duly executed this assignment on this 6 day of December, 2018.

David R. Hall

PATENT REEL: 047748 FRAME: 0596

RECORDED: 12/11/2018