

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NORBERT HAUSLADEN	01/11/2021
VIKTOR SCHINDLER	01/11/2021
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17258108
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DATE SIGNED:	02/04/2021
Total Attachments: 4	
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ASSIGNMENT

WHEREAS, We, Norbert Hausladen and Viktor Schindler (collectively "Assignors"), have invented certain improvements in "Drilling Apparatus," for which International Application No. PCT/EP2019/067218 was filed 27 June 2019, which claims priority to German Patent Application No. 20 2018 103 881.8, filed 8 July 2016 and to German Patent Application No. 20 2018 104 624.1 filed 10 August 2018, for which a US National Stage Patent Application will be filed, and for which future applications may be filed, (all collectively referred to as the "Application"), and whereas

**Liebherr-Components Biberach GmbH
Hans-Liebherr-Strasse 45
88400 Biberach an der Riss
Germany**

("Assignee") desires to purchase all of Assignors' rights in same;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations paid by the said Assignee, the receipt and sufficiency of which are hereby acknowledged, Assignors have and by these presents do hereby sell, assign, transfer and convey unto said Assignee all of Assignors' rights, title, and interest in and to said Application, including in and to any conventional, division, continuation, continuation-in-part, substitution, reissue, renewal, re-exam, continued prosecution application ("CPA"), or request for continued examination ("RCE") thereof, and in and to all inventions and improvements thereon (herein collectively referred to as "Related US Applications"), preparatory to obtaining Letters Patent of the United States therefore; and Assignors hereby request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States resulting from said Application and Related US Applications, to Assignee, for its interest and for the sole use and benefit of Assignee and its assigns and legal representatives.

For the same consideration, Assignors, by these presents do sell, assign, and transfer to Assignee all of Assignors' rights, title and interest in and to any foreign and international applications related to and/or seeking benefit of said Application and Related US Applications, and in and to all inventions and improvements thereon (herein collectively referred to as "Related Foreign Applications"), in and to any Letters Patent and similar protective rights granted on said Related Foreign Applications, and in and to the right to claim any applicable priority rights arising from or required for said Related Foreign Applications under the terms of any applicable conventions, treaties, statutes, or regulations, said Related Foreign Applications to be filed and issued in the name of Assignee or its designee, insofar as permitted by applicable law.

For the same consideration, Assignors agree, without charge to Assignee, but at Assignee's expense, to sign all lawful papers, execute said Application, Related US Applications and Related Foreign Applications, make all assignments and rightful oaths, assist in prosecution of said Application, Related US Applications and Related Foreign Applications, assist in prosecution of legal proceedings, and generally do everything reasonably possible to aid Assignee its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 11 day of January, 2020

N. Hausladen (SEAL)
Norbert Hausladen

Witnessed by: _____
Signature
Martin Kayl
Printed Name of Witness

Date: January 16 2021

Witnessed by: _____
Signature

Printed Name of Witness

Date: _____

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 11 day of January, 2020

N. Hausladen (SEAL)
Norbert Hausladen

State of _____
County of _____

On this _____ day of _____, 2020, before me, a notary public, came to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

(SEAL) _____
NOTARY PUBLIC
My Commission Expires: _____

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 11 day of January, 2020

V. Schindler (SEAL)
Viktor Schindler

Witnessed by: [Signature]
Signature
Martin Keyl
Printed Name of Witness

Date: January 26, 2021

Witnessed by: _____
Signature

Printed Name of Witness

Date: _____

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 11 day of January, 2020

V. Schindler (SEAL)
Viktor Schindler

State of _____

County of _____

On this _____ day of _____, 2020, before me, a notary public, came to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

NOTARY PUBLIC

(SEAL)

My Commission Expires:

In Witness Whereof, Assignee hereby accepts from Assignor the sale, assignment, transfer and conveyance unto said Assignee of the full, exclusive and entire right, title, and interest in and to said Application, Related US Applications and Related Foreign Applications, by its duly authorized officer.

Liebherr-Components Biberach GmbH
(Assignee)

By: ppa. Z

Name: Klaus Grawen

Title: Authorized Signatory

Witnessed by: [Signature]

Signature

Heinrich Koyl

Printed Name of Witness

Date: 26.1.2021

Witnessed by: [Signature]

Signature

Stefanie Hünst

Printed Name of Witness

Date: 25.01.2021