505383014 03/19/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL D. LANGENFELD	02/18/2019
JACOB RICHARD SMITH	02/18/2019

RECEIVING PARTY DATA

Name:	VERMEER MANUFACTURING COMPANY
Street Address:	1210 VERMEER ROAD EAST
City:	PELLA
State/Country:	IOWA
Postal Code:	50219

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15967965

CORRESPONDENCE DATA

Fax Number: (612)332-9081

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: 6123325300

Email: astevens@merchantgould.com Correspondent Name: BRADLEY D. KUXHAUSEN Address Line 1: MERCHANT & GOULD P.C.

Address Line 2: PO BOX 2903

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	10646.0782USU1
NAME OF SUBMITTER:	BRADLEY D. KUXHAUSEN
SIGNATURE:	/Bradley D. Kuxhausen/
DATE SIGNED:	03/19/2019

Total Attachments: 3

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PATENT REEL: 048640 FRAME: 0421 505383014

ASSIGNMENT

WHEREAS, we, Michael D. Langenfeld and Jacob Richard Smith, made certain new and useful inventions and improvements for which we filed an application with the United States Patent and Trademark Office on May 1, 2018, application Serial No. <u>15/967.965</u> which is entitled DUAL ROD DIRECTIONAL DRILLING SYSTEM.

AND WHEREAS, Vermeer Manufacturing Company, a corporation organized and existing under and by virtue of the laws of the State of Iowa, and having an office and place of business at 1210 Vermeer Road East, Pella, IA 50219 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor.

NOW THEREFORE, to all whom it may concern, be it known that for good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and the right(s) to claim priority thereto, and in and to the application, all patent applications based upon said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other

PATENT REEL: 048640 FRAME: 0422 documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 18 day of
February, 2918. Zoiq
MANALLE
Michael D. Langenfeld
Inventor
STATE OF LONG)
STATE OF LOWC.) ss. COUNTY OF Marion)
On this <u>18th</u> day of <u>Store</u> , 2019, before me personally appeared
Michael D. Langenfeld to me known and known to me to be the person described in and who
executed the foregoing instrument, and Michael D. Langenfeld duly acknowledged to me that
Michael D. Langenfeld executed the same for the uses and purposes therein set forth.
[SEAL] Motary Public

MICHELLE L DIRKS
Commission Number 809394
My Commission Expires
March 12, 2021

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Attorney Docket No. 10646.0782USU1

IN TESTIMONY WHEREOF, I have hereunto set my hand this 18th day of Feburary, 2018. 2019
45m
Jagób Richard Smith
Inventor
STATE OF 10 mm) ss.
COUNTY OF Marion)
On this 18th day of from 1014, 2018, before me personally appeared
Jacob Richard Smith to me known and known to me to be the person described in and who
executed the foregoing instrument, and Jacob Richard Smith duly acknowledged to me that
Jacob Richard Smith executed the same for the uses and purposes therein set forth.
[SEAL] Notary Public

MICHELLE L DIRKS
Commission Number 809394
My Commission Expires
March 12, 2021