

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT5429807

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	
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State/Country:	IOWA
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15967965
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DATE SIGNED:	03/19/2019
Total Attachments: 3	
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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. 15/967,965 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

