FORM PTO-1595 (Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94) M&G-11450.48US01

10-26-1998 100860622

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

To the Commissioner of Patents and Trademarks: Please record the attached original documents or co	ppy thereof.
Name of conveying party(ies):	Name and address of receiving party(ies):
Alfons HESSE Franz-Josef PÜTTMANN	Tracto-Technik Paul Schimdt Spezialmaschinen Reiherstrasse 2 57368 Lennestadt Germany
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No 3. Nature of conveyance: ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other:	Additional name(s) & address(es) attached? Yes No
Execution Date: 30 September 1998	
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application, the execution date of the application is:	
A. Patent Application No.(s)	B. Patent No.(s)
09/123,036	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Douglas P. Mueller Address: Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A. 3100 Norwest Center 90 South Seventh Street Minneapolis, MN 55402-4131	 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41): \$40.00
DO NOT USE THIS SPACE	
9. Statement and signature: To the best of my knowledge and belief, the foregoing information original document. Douglas P. Mueller Name of Person Signing Significant Sig	oris true and correct and any attached copy is a true copy of the October 7, 1998 gnature Date Total number of pages including cover sheet, attachments, and document: 2
Do not detach this portion	
Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks	

Commissioner of Patents and Trademarks
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10/23/1998 SBURNS 00000033 09123036

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INSTRUCTIONS

ASSIGNMENT OF U.S. RIGHTS TO CORPORATION

WHEREAS.

Inventor(s) Name, Address, Citizenship

Date Patent Declaration Signed and Title Serial No. and filing date (if known)

Name of Corporation

State or Country of Incorporation and Address

1. <u>Alfons HESSE</u> residing at <u>Antoniusstrasse 18, 57368 Lennestadt, Germany</u> and a citizen of <u>Germany</u>;

2. <u>Franz-Josef PÜTTMANN</u> residing at <u>Winterberger Strasse 52, 67368</u> Lennestadt, Germany and a citizen of Germany;

(herein called "THE UNDERSIGNED") have made an invention and have executed an application for Letters Patent of the United States on ______ for this invention, which application is entitled <u>METHOD AND APPARATUS FOR DIRECTIONAL BORING</u> and which has been given Serial Number 09/123,036 and the filing date of <u>July 27, 1998</u>;

AND WHEREAS <u>Tracto-Technik Paul Schimdt Spezialmaschinen</u> (herein called "ASSIGNEE"), a corporation organized under the laws of <u>Germany</u>, and having an office and place of business at <u>Reiherstrasse 2, 57368 Lennestadt</u>, <u>Germany</u>

wishes to acquire the entire right, title and interest in and to said invention and patent application and any Letters Patent to be obtained therefor;

NOW, THEREFORE, for and in consideration of the sum of One Dollar and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE UNDERSIGNED hereby sell, assign and transfer to the ASSIGNEE, its successors and assigns, the entire right, title and interest for the United States in and to the invention disclosed in the aforesaid application, and in and to the 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 THE UNDERSIGNED hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.

THE UNDERSIGNED hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said ASSIGNEE, its successors and representatives all facts known to THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, its successors or assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

THE UNDERSIGNED represent 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 or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED.

IN TESTIMONY WHEREOF, THE UNDERSIGNED have hereunto set their hand on the dates indicated below.

Each inventor must sign & date

Note: No legalization or other witness required

Reform Stree
Signature

30.09.1998

Date
30.09.1998

Signature

Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Alfons HESSE et al.

Examiner:

unknown

Serial No.: Filed:

09/123,036

Group Art Unit:

3625

July 27, 1998

Docket:

11450.48US01

Notice of

N/A

Batch No.:

N/A

Allow. Date:

Due Date:

October 12, 1998

Title:

METHOD AND APPARATUS FOR DIRECTIONAL BORING

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described hereinabove, are being deposited in the United States Postal Service, as first class mail, with sufficient postage, in an envelope addressed to: ASSIGNMENT DIVISION: BOX ASSIGNMENT Assistant Commissioner for Patents, Washington, D.C. 20231, on October 7, 1998.

· .

Douglas P. Mueller

ASSIGNMENT DIVISION: BOX ASSIGNMENTS

Assistant Commissioner for Patents

Washington, D.C. 20231

Sir:

We are transmitting herewith the attached:

☐ Transmittal Sheet in duplicate containing Certificate of Mailing

Assignment of the invention to Tracto-Technik Paul Schimdt Spezialmaschinen, Recordation Form Cover Sheet, and fee of \$40.00

Return postcard

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT, GOULD, SMITH, EDELL, WELTER & SCHMIDT 3100 Norwest Center, Minneapolis, MN 55402 (612) 332-5300 By:

Name: Douglas P. Mueller

Reg. No.: 30,300

DPM/smh

(PTO TRANSMITTAL - GENERAL)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Alfons HESSE et al.

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Patents, Washington, D.C. 20231, on October 7, 1998.

ouglas P. Mueller

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Assistant Commissioner for Patents

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MERCHANT, GOULD, SMITH, EDELL, WELTER & SCHMIDT 3100 Norwest Center, Minneapolis, MN 55402 (612) 332-5300

RECORDED: 10/14/1998

By:

Name: Douglas P. Mueller

Reg. No.: 30,300

DPM/smh

(PTO TRANSMITTAL - GENERAL)