

08-20-2004

Form PTO-1595 (Rev. 06/04)  
OMB No. 0651-0027 Exp. 6/30/2005U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

RECOR

AUG 16 2004

102818249

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)/Execution Date(s):**James E. Chitwood / December 18, 2002  
Damir S. Skerl / December 17, 2002  
Robert L. Dekle / February 21, 2003  
William G. Crossland / December 18, 2002

Execution Date(s) \_\_\_\_\_

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance:**

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**Name: Smart Drilling and Completion, Inc.

Internal Address: \_\_\_\_\_

Street Address: 3123 - 198th Place S.E.City: BothellState: WACountry: USAZip: 98012Additional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**

A. Patent Application No.(s)

10/223,025

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: William Banning Vail III

Internal Address: \_\_\_\_\_

Street Address: 3123 - 198th Place S.E.City: BothellState: WA Zip: 98012Phone Number: 425-486-8789Fax Number: 425-482-2013Email Address: wbv@Smart-Drilling-and-Completion.com**6. Total number of applications and patents involved:**1**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 160.00**

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_b. Deposit Account Number 50-0499Authorized User Name Vails Inventions**9. Signature:**William Banning Vail III  
Signature8/12/2004  
Date

William Banning Vail III

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

5Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Rig-1

Chitwood, Skerl, Dekle, and Crossland Assignment Papers

**PATENT**  
**REEL: 015685 FRAME: 0083**Repln. Ref: 08/19/2004 MGETACHE 0009434100  
DAN: 50499 Name/Number: 10223025  
FC: 9804 \$120.00 CR

08/19/2004 MGETACHE 00000043 10223025

01 FC: 8021 40.00 DP

# ASSIGNMENT

WHEREAS, I, Damir S. Skerl of 702 Last Arrow Drive, Houston, TX 77079, have invented a certain new and useful invention entitled "High Power Umbilicals for Subterranean Electric Drilling Machines and Remotely Operated Vehicles" for which an application for Letters Patent of the United States has been filed on August 15, 2002, and is now Application Number 10/223,025;

NOW THEREFORE, be it known that I, the said inventor, for and in consideration of certain good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, at the request of the assignee do sell, assign and transfer unto said assignee, Smart Drilling and Completion, Inc., a Washington corporation having a place of business at 3123 - 198th Place S.E., Bothell, WA 98072, its successors, legal representatives and assigns, the aforesaid application for the territory of the United States of America and all continuation, divisional, continuation-in-part and reissue applications, all patent applications in foreign countries, all applications pursuant to the Patent Cooperation Treaty and all applications for extension filed or to be filed for the invention, and all Letters Patent, Invention Registrations, Utility Models, Extensions or Reissues and other patent rights, obtained for the invention in the United States or any other country; I also assign any right, title or interest in and to the said invention which has not already been transferred to the assignee, I warrant that I have made no assignment of the invention, application or patent therefore to a party other than Smart Drilling and Completion, Inc. and I am under no obligation to make any assignment of the invention, application, or patent therefore to any other party other than a successor of Smart Drilling and Completion, Inc.; and I further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent and in confirming assignee's exclusive ownership of the invention, but at the expense of said assignee.

The Commissioner of Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this Assignment, to Smart Drilling and Completion, Inc., its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

IN WITNESS WHEREOF, the party hereto has executed this Assignment as of the date indicated hereunder.



# ASSIGNMENT

WHEREAS, I, James E. Chitwood of 10030 Windriver Dr. Houston, TX 77070, have invented a certain new and useful invention entitled "High Power Umbilicals for Subterranean Electric Drilling Machines and Remotely Operated Vehicles" for which an application for Letters Patent of the United States has been filed on August 15, 2002, and is now Application Number 10/223,025;

NOW THEREFORE, be it known that I, the said inventor, for and in consideration of certain good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, at the request of the assignee do sell, assign and transfer unto said assignee, Smart Drilling and Completion, Inc., a Washington corporation having a place of business at 3123 - 198th Place S.E., Bothell, WA 98072, its successors, legal representatives and assigns, the aforesaid application for the territory of the United States of America and all continuation, divisional, continuation-in-part and reissue applications, all patent applications in foreign countries, all applications pursuant to the Patent Cooperation Treaty and all applications for extension filed or to be filed for the invention, and all Letters Patent, Invention Registrations, Utility Models, Extensions or Reissues and other patent rights, obtained for the invention in the United States or any other country; I also assign any right, title or interest in and to the said invention which has not already been transferred to the assignee, I warrant that I have made no assignment of the invention, application or patent therefore to a party other than Smart Drilling and Completion, Inc. and I am under no obligation to make any assignment of the invention, application, or patent therefore to any other party other than a successor of Smart Drilling and Completion, Inc.; and I further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent and in confirming assignee's exclusive ownership of the invention, but at the expense of said assignee.

The Commissioner of Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this Assignment, to Smart Drilling and Completion, Inc., its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

IN WITNESS WHEREOF, the party hereto has executed this Assignment as of the date indicated hereunder.



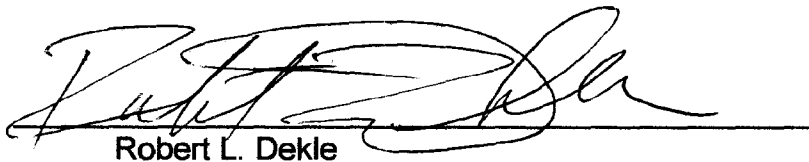
# ASSIGNMENT

WHEREAS, I, Robert L. Dekle of 10612 East 99th Place, Tulsa, OK 74133, have invented a certain new and useful invention entitled "High Power Umbilicals for Subterranean Electric Drilling Machines and Remotely Operated Vehicles" for which an application for Letters Patent of the United States has been filed on August 15, 2002, and is now Application Number 10/223,025 :

NOW THEREFORE, be it known that I, the said inventor, for and in consideration of certain good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, at the request of the assignee do sell, assign and transfer unto said assignee, Smart Drilling and Completion, Inc., a Washington corporation having a place of business at 3123 - 198th Place S.E., Bothell, WA 98012, its successors, legal representatives and assigns, the aforesaid application for the territory of the United States of America and all continuation, divisional, continuation-in-part and reissue applications, all patent applications in foreign countries, all applications pursuant to the Patent Cooperation Treaty and all applications for extension filed or to be filed for the invention, and all Letters Patent, Invention Registrations, Utility Models, Extensions or Reissues and other patent rights, obtained for the invention in the United States or any other country; I also assign any right, title or interest in and to the said invention which has not already been transferred to the assignee, I warrant that I have made no assignment of the invention, application or patent therefore to a party other than Smart Drilling and Completion, Inc. and I am under no obligation to make any assignment of the invention, application, or patent therefore to any other party other than a successor of Smart Drilling and Completion, Inc. ; and I further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent and in confirming assignee's exclusive ownership of the invention, but at the expense of said assignee.

The Commissioner of Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this Assignment, to Smart Drilling and Completion, Inc., its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

IN WITNESS WHEREOF, the party hereto has executed this Assignment as of the date indicated hereunder.

  
Robert L. Dekle

2/21/03  
Date

# ASSIGNMENT

WHEREAS, I, William G. Crossland of 3406 N.E. 81st Street, Seattle, WA 98115, have invented a certain new and useful invention entitled "High Power Umbilicals for Subterranean Electric Drilling Machines and Remotely Operated Vehicles" for which an application for Letters Patent of the United States has been filed on August 15, 2002, and is now Application Number 10/223,025;

NOW THEREFORE, be it known that I, the said inventor, for and in consideration of certain good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, at the request of the assignee do sell, assign and transfer unto said assignee, Smart Drilling and Completion, Inc., a Washington corporation having a place of business at 3123 - 198th Place S.E., Bothell, WA 98072, its successors, legal representatives and assigns, the aforesaid application for the territory of the United States of America and all continuation, divisional, continuation-in-part and reissue applications, all patent applications in foreign countries, all applications pursuant to the Patent Cooperation Treaty and all applications for extension filed or to be filed for the invention, and all Letters Patent, Invention Registrations, Utility Models, Extensions or Reissues and other patent rights, obtained for the invention in the United States or any other country; I also assign any right, title or interest in and to the said invention which has not already been transferred to the assignee, I warrant that I have made no assignment of the invention, application or patent therefore to a party other than Smart Drilling and Completion, Inc. and I am under no obligation to make any assignment of the invention, application, or patent therefore to any other party other than a successor of Smart Drilling and Completion, Inc.; and I further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent and in confirming assignee's exclusive ownership of the invention, but at the expense of said assignee.

The Commissioner of Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this Assignment, to Smart Drilling and Completion, Inc., its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

IN WITNESS WHEREOF, the party hereto has executed this Assignment as of the date indicated hereunder.

  
William G. Crossland

12/18/02  
Date

STATE OF WASHINGTON     )  
                                      ) ss.  
COUNTY OF KING         )

Before me, a Notary Public in and  
before me, or is known to me to be the  
instrument, and acknowledged to my  
considerations therein expressed.

Given under my hand and

  
TRACIE A  
COMMISS

RECORDED: 08/16/2004

PATENT  
REEL: 015685 FRAME: 0087