## 08-31-2006



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| Nigel Evans (8/24/2006) and Hugo Roberto<br>Marquez (8/24/2006)  | Name: Smith International, Inc. Internal Address:  |  |
| Additional name(s) of conveying party(ies)  Additional name(s) of conveying party(ies)  Yes X No   | Street Address:  |  |
| 3. Nature of Conveyance:   | 16740 Hardy Street   |  |
| Assignment Merger  |  |  |
| Security Agreement Change of Name  | City: Houston  |  |
| Other  | State: Texas Zip: 77032  |  |
| Execution Date: in parentheses after inventor name   | Additional name(s) & Yes X No address(es) attached:  |  |
| Application number(s) or patent number(s):   |  |  |
| If this document is being filed together with a new application, the exe<br>A. Patent Application No.(s):<br>This application                        | ecution date of the new application is:    B. Patent No.(s):   |  |
| Additional numbers attached? Yes x No  |  |  |
| Name and address of party to whom correspondence concerning document should be mailed:   | Total number of applications and patents involved:   |  |
| Name: Jeffrey S. Bergman<br>OSHA · LIANG LLP   | 7. Total fee (37 CFR 3.41) \$40.00   |  |
| Internal Address: Atty. Dkt.: 05516/299001   | Enclosed   |  |
| Street Address:<br>1221 McKinney St., Suite 2800   | Authorized to be charged to deposit account  |  |
| 1221 Working St., Suite 2000   | X Authorized to be charged to credit card (Form 2038 enclosed)   |  |
| City: State: Zip: Houston TX 77010   | 8. Deposit account number:  50-0591  (Attach duplicate copy of this page if paying by deposit account) |  |
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| 9. Statement and signature.  |  |  |
| To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. |  |  |
| Jeffrey S. Bergman (Reg. # 45,925)  Name of Person Signing   | August 25, 2006 Signature Date   |  |
| Total number of pages including cover sheet, attachments, and documents:   |  |  |

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## ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

## SMITH INTERNATIONAL, INC.

having the following address:

16740 Hardy Street, Houston, Texas 77032

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title:

## PASSIVE VERTICAL DRILLING MOTOR STABILIZATION

for which the undersigned has/have executed an application for patent in the United States of America on or about this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) that may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

- To sign and execute any further documents that may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
- To execute all papers and documents and to perform all lawful acts that may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
- To perform all lawful affirmative acts that may be necessary to obtain the grant of valid and enforceable patents to COMPANY.

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA-LIANG LLP the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

OSHA•LIANG LLP

PATENT REEL: 018243 FRAME: 0245

| Date   | IN WITHNESS WHI                        | REOF. this Assignment                                       | nt has been executed by each of the undersign                           |
|--|--|---|---|
| Dode    Dode   | individuals on the date appearing b    | y such individual's signa                                   | ature:  |
| Dode    Dode   | 24-AUG -2006                           | 1 <sup>d</sup> Inventor Signature:                          |   |
| Dode    Dode   | D:/te                                  | Print or Type Name:   | Nigel Evans   |
| Date  Print or Type Name:    Print or Type Name:   Print or Type Name:   |  |   | / 1/1//   |
| Date    Date   Print or Type Name:   | 24 106 2006                            | 2 <sup>ed</sup> Inventor Signature:                         | - / Musicon   |
| Deate Print or Type Name:    Deate   Print or Type Name:   | Date                                   | Print or Type Name:   | Hugo Roberto Marquez  |
| Design Print or Type Name:    Design   Print or Type Name:   |  | and Inventor Simpotores                                     | ` .   |
| Date   Print or Type Name:   | <b>D</b> 40                            |   |   |
| This Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:    Date   | , prite                                |   |   |
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| This Assignment may be signed before all there.  (a) a Notary Public for one of the States of the United States, or (b) the witnesses who sign below:    County of   |  |   |   |
| (e) a Notary Public for one of the States of the United States, or (b) her witnessess who sign below:    County of   | ), coe                                 | rime or Aypename:   |   |
| (e) a Notary Public for one of the States of the United States, or (b) two witnessess who sign below:    County of   |  |   | in a little of all hours  |
| State of County of  Before me personally appeared:  Thereto:  Ther | (a) a Notary Public for o              | This Assignment may be so<br>he of the States of the United | agreed denote wither:<br>d States, or (b) two witherses who sign below: |
| County of  Before me personally appeared:    Phone   P |  |   |   |
| County of  Before me personally appeared:    Phonese   Phonese   Phonese   | Table 191 Clarks of                    | •   | •   |
| Before me personally appeared:    Thereto  |  |   |   |
| Threater  Threat | County or                              | <del></del>   |   |
| Threater  Threat | Before me personally appeared:         |   |   |
| cach of whom acknowledged the foregoing instrument to be a free act and deed and also represented that hashe is authorized to execute this Assignment.  Dated:    Notary Public  | 1.5                                    | i" liveter  | Z"levent x  |
| cach of whom acknowledged the foregoing instrument to be a free act and deed and also represented that hashe is authorized to execute this Assignment.  Dated:    Notary Public  |  |   |   |
| Dated:    Notary Public   My commission expires:   14  | - St St It and a clear mind and the    |   | · · · · · · · · · · · · · · · · · · ·                                   |
| Date Notory Public My commission expires:  14-Aug - 2006 Signature of Witness: CARCO, CEDAR PINTHE FULL  Date Print or Type Name: CARCO, CEDAR PINTHE FULL  Date Print or Type Name: GI STA DA COSTA SANTOS JOHNE  165874 1  When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:  U.S. Application Serial No.:  Filing Date:   | Execute this Assignment.               | melant managers as a s                                      |   |
| Notary Public My commission expires  14-Aug-2ap6 Date Print or Type Name: CAR can USBAR Pinthelia Fulco Date Print or Type Name: Griss An Costa Santos Some  165274 1  When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:  U.S. Application Serial No.:  Filing Date:   | 2                                      |   |   |
| 24-Aug-2006 Date Print or Type Name: CARLO, USAR PINTEDIA FULC  24-LUG-2006 Date Print or Type Name: Gista DA Costa Santos Some  165874 1  When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:  U.S. Application Serial No.:  Filing Date:   | Dated:                                 |   |   |
| Date Print or Type Name: CAR on USBAR PINHOLA FULL  24 - 2006 Signature of Witness: SULO LOCAL  Date Print or Type Name: Grant DA COSTA SANTOS SOME  When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:  U.S. Application Serial Na.:  Filing Date:   | 1568 B                                 | Notary Public   | ic My commission expires:   |
| Date Print or Type Name: CAR on USBAR PINHOLA FULL  24 - 2006 Signature of Witness: SULO LOCAL  Date Print or Type Name: Grant DA COSTA SANTOS SOME  When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:  U.S. Application Serial Na.:  Filing Date:   |  | •   |   |
| Date Print or Type Name: CARGO, CEDAR PINHOLE FULL  24 - 2006 Signature of Witness: SULO LOCAL  Date Print or Type Name: Grant DA COSTA SANTOS SOME  165874 1  When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:  U.S. Application Serial No.:  Filing Date:   |  |   |   |
| Date Print or Type Name: CAR Lo. CEDAR PINTED FULL CHO  24 - 406 - 2006 Signature of Witness: Sullayloour  Print or Type Name: G. S. DA COSTA SANTOS SOME  165874_1  When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:  U.S. Application Serial No.:  Filing Date:   | 14- Aug - 2006                         | Signature of Witness  | s: Haten / w  |
| Date Print or Type Name: Signature of Witness: Sulloyloous  When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:  U.S. Application Serial No.:  Filing Date:   | 17-12-17-1                             | Print or Type Name  | e CARLO LEZZE PINHERE FUHO  |
| Date Print or Type Name: Gissa DA COSTA SANTOS SOME  165874_1  When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:  U.S. Application Serial No.:  Filing Date:   |  | · ·   |   |
| Date Print or Type Name: Gissa DA COSTA SANTOS SOME  165874_1  When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:  U.S. Application Serial No.:  Filing Date:   | E 20 /11 0000                          | Cionatura of Witness  | - huladone  |
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