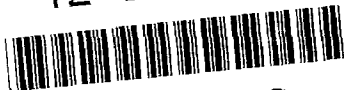


12-30-2004



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Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)

U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

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1. Name of conveying party(ies):

Robert S. Sivley, IV

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Hydril Company

Internal Address: _____

Street Address: _____

3300 North Sam Houston Parkway East

City: Houston

State: Texas Zip: 77032

Additional name(s) & address(es) attached: Yes No

3. Nature of Conveyance:

Assignment Merger

Security Agreement Change of Name

Other _____

Execution Date: December 9, 2004

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the new application is: _____

A. Patent Application No.(s): 10/958,979

B. Patent No.(s): _____

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5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Jonathan P. Osha
OSHA & MAY L.L.P.

Internal Address: Atty. Dkt.: 09432/280001

Street Address: 1221 McKinney St., Suite 2800

City: Houston State: TX Zip: 77010

6. Total number of applications and patents involved: 1

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Signature

12/22/04
Date

Total number of pages including cover sheet, attachments, and documents: 6

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: MS Assignment Recordation Services, Director of the US Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

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Signature: Michelle Hayden (Michelle Hayden)

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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:

HYDRIL COMPANY L.P.

having the following address:

3300 North Sam Houston Parkway East, 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:

EXPANSION PIG,

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:

1. 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;
2. 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;
3. 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 & MAY L.L.P. 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 & MAY L.L.P.

**PATENT
REEL: 016107 FRAME: 0497**

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

12/9/04
Date

1st Inventor Signature: *Robert S. Sivley IV*
Print or Type Name: Robert S. SIVLEY, IV

Date

2nd Inventor Signature: _____
Print or Type Name: _____

Date

3rd Inventor Signature: _____
Print or Type Name: _____

Date

4th Inventor Signature: _____
Print or Type Name: _____

This Assignment must be signed before a Notary Public for one of the States of the United States.

NOTARY PUBLIC

State of _____
County of _____

Before me personally appeared: Robert S. SIVLEY, IV _____
1st Inventor 2nd Inventor

3rd Inventor 4th Inventor

each of whom acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute this Assignment.

Dated: 12/9/04 _____
Cindy L. Williams
Notary Public My commission expires: 2/17/06

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