

07-16-2003



SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

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To the Honorable Commissioner of

102497811

Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Robert A. Judge
Dat Manh Nguyen
Harold Wade

7-14-03

2. Name and address of receiving party(ies):

Name: Hydril Company

Address: 3300 N. Sam Houston Parkway East

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: July 3, 2003

City: Houston

State/Prov.: Texas

Country: USA

ZIP: 77032

Additional name(s) & address(es)

☐ Yes ☒ No

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

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

Patent Application No.

Filing date

10/341,511

01/13/2003

B. Patent No.(s)

Additional numbers

☐ Yes ☐ No

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

Name: Jonathan P. Osha

Registration No. 33,986

Address: 1221 McKinney Street, Suite 2800

07/16/2003 LIRELLER 00000000 10341511

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40.00 SF

City: Houston

State/Prov.: Texas

Country: USA

ZIP: 77010

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00

☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☐ Authorized to be charged to deposit account

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.

Thomas K. Scherer, Reg. No. 45,079

Name of Person Signing

Signature

Date

3

Total number of pages including cover sheet, attachments, and

PATENT

REEL: 014260 FRAME: 0990

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

having the following address:

**3300 N. 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:

SUB SEA MUD PUMP AND CONTROL SYSTEM,

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 ROSENTHAL & OSHA 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.

ROSENTHAL & OSHA L.L.P.

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

7/3/03
Date

1st Inventor Signature: Robert A. Judge
Print or Type Name: Robert A. Judge

7/3/03
Date

2nd Inventor Signature: Dat Manh Nguyen
Print or Type Name: Dat Manh Nguyen

July 3, 2003
Date

3rd Inventor Signature: Harold Wade
Print or Type Name: Harold Wade

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 Texas
County of Harris

Before me personally appeared:

Robert A. Judge
1st Inventor
Harold Wade
3rd Inventor

Dat Manh Nguyen
2nd 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:

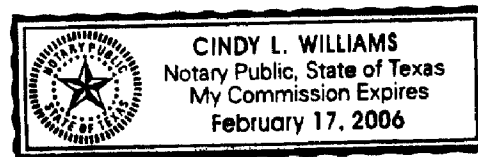
June 3, 2003

Notary Public

My commission expires:

2/17/2006

44243_1.DOC



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.: 10/341,511

Filing Date: January 13, 2003

ASSIGNMENT - WORLDWIDE

Page 2

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RECORDED: 07/14/2003

PATENT
REEL: 014260 FRAME: 0992