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Tab settings

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

102537584

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Dehao Zhu  
Alex Crossley

2. Name and address of receiving party(ies)

Name: Baker Hughes Incorporated

Internal Address:

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

3. Nature of conveyance:

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

Street Address: 3900 Essex Lane

City: Houston State: TX Zip: 77027

Execution Date: 08/11/2003

Additional name(s) & address(es) attached? ☐ Yes ☒ No

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: 08/18/2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Gary R. Maze

Internal Address: Duane Morris LLP

Street Address: One Greenway Plaza, Suite 500

City: Houston State: TX Zip: 77046

6. Total number of applications and patents involved: 1

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

- ☐ Enclosed  
☒ Authorized to be charged to deposit account

8. Deposit account number:

02-0429

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9. Signature.

Gary R. Maze

Name of Person Signing

  
Signature

08/18/2003

Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

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PATENT  
REEL: 014423 FRAME: 0402

## **ASSIGNMENT FOR UNITED STATES PATENT APPLICATION**

**WHEREAS:**               **Dehao Zhu**  
                              **3210 Heritage Drive**  
                              **Claremore, Oklahoma 74019**  
                              **United States**

**Alex Crossley**  
**2105 South Aster Avenue**  
**Broken Arrow, Oklahoma 74012**  
**United States**

(hereinafter referred to as **ASSIGNORS**), have invented and own a certain invention entitled **Neural Network Model for Electric Submersible Pump System**, found in the U.S. patent application filed herewith.

**WHEREAS:**               **Baker Hughes Incorporated**  
                              **3900 Essex Lane**  
                              **Houston, Texas 77027**  
                              **United States of America**  
                              **(a Delaware corporation)**

(hereinafter referred to as **ASSIGNEE**), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.


**NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:** Be it known that in consideration of the payment by **ASSIGNEE** to **ASSIGNORS** of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, **ASSIGNORS** hereby sell, assign and transfer to **ASSIGNEE** the full and exclusive right, title and interest to said invention, in the United States and its territorial possessions and in all foreign countries, and to all Letters Patent or similar legal protection, in the United States and its territorial possessions and in any and all foreign countries, to be obtained for said invention by said application or any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

**ASSIGNORS** hereby covenant that no assignment, sale, agreement or encumbrance has

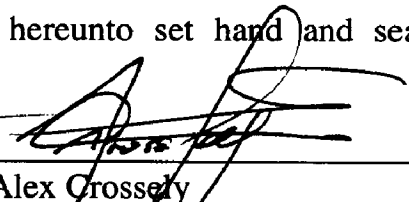
been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I have hereunto set hand and seal this 11<sup>th</sup> day of August, 2003.

  
Dehao Zhu

IN WITNESS WHEREOF, I have hereunto set hand and seal this 11 day of AUGUST, 2003.

  
Alex Crossley

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