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FORM PTO-1595
Rev. 6-93) OMB No 0651-0011 (EXP 4



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

100983478

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

1. Name of conveying party(ies): Phillip H. Paul and David J. Rakestraw
2. Name and address of receiving party(ies): Mail Stop 9007

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

3. Nature of conveyance:

Assignment Merger

Street Address: P. O. Box 969

Security Agreement Change of Name

Other: Assignment & Confirmatory License

City: Livermore, State: CA ZIP: 94551-0969

Execution Date: 2/23/99 & 2/24/99

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

4. Application number(s) or patent number(s): Attorney Docket No. SD-8112/S-87,565

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

A. Patent Application No.(s)

B. Patent No.(s)

08/882,725

Filed: 06/25/97

Issued:

Additional numbers attached? Yes No

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

6. Total number of applications and patents involved: one (1)

Name: Kurt C. Olsen
Sandia National Laboratories
Internal Address: CA Legal & Patent, 11600

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

Mail Stop 9007

Enclosed

Street Address: P. O. Box 969

Authorized to be charged to deposit account

City: Livermore State: CA ZIP: 94551-0969

8. Deposit Account number: 50-0583

(Attach duplicate copy of this page if paying by 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.

Kurt C. Olsen

Signature

Date

Total number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

08/882725
03/11/1999 JMWIK115 00000151 500583
\$40.00 CFE
01 FC-581

PATENT
REEL: 9796 FRAME: 0247

ASSIGNMENT

WHEREAS, Phillip H. Paul and David J. Rakestraw have made an invention relating to Electrokinetic High Pressure Hydraulic System in the course of the work authorized by Contract DE-AC04-94AL85000 between SANDIA CORPORATION and the UNITED STATES DEPARTMENT OF ENERGY, said invention being disclosed and claimed in an application for United States patent, identified as DOE Docket No: S-87,565 duly executed by said inventors on June 23, 1997 and June 24, 1997;

WHEREAS Inventor(s), in consideration of employment by Sandia Corporation, has(have) agreed, among other things, to assign to Sandia Corporation, its successors and assigns, all rights to inventions, discoveries, or improvements made or conceived in the course of their employment; and

WHEREAS, the Government of the United States, as represented by the U.S. Department of Energy has granted a waiver of Government rights in the above-identified invention to Sandia Corporation under Class Waiver W(C)93-012, effective October 1, 1993; and

THEREFORE, Inventor(s) hereby sells, assigns, and transfers unto Sandia Corporation their entire right, title, and interest in and to said invention and in and to all resulting patents, wherever they may be granted, as well as reissues or extensions of said patents.

Inventor(s) covenants with Sandia Corporation that, except for the rights, if any, of the Government, his/her interest in the rights and property herein conveyed is free and clear of any encumbrance and that they have full right to convey the same as herein expressed. They agree, at the request of Sandia corporation, to make, execute, and deliver to Sandia Corporation, the Government, or other party prosecuting patent applications on this invention, any and all papers, documents, affidavits, applications, statements or other instruments relating to said invention, take all rightful oaths and do all acts as may reasonably be required of them in or incident to the prosecution of any or all applications on said invention or in the adjustment or settlement of any interferences or other actions or proceedings that said applications or patents thereon may encounter or in which they may become involved.

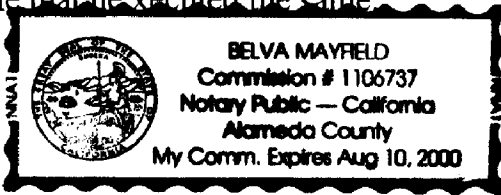
Signed at Livermore, California, this 23 day of February, 1999.

[Handwritten Signature]

Phillip H. Paul

STATE OF CALIFORNIA)
)
COUNTY OF Alameda) ss:

On the 23rd day of February, 1999, personally appeared before me, Belva Mayfield, Notary Public, Phillip H. Paul proved to me to be the individual described in and who executed the foregoing instrument, and who acknowledged to me that he executed the same.



Belva Mayfield
Notary Public

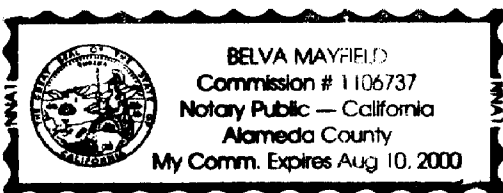
Signed at Livermore, California, this 24 day of FEBRUARY, 1999.

[Handwritten Signature]

David J. Rakestraw

STATE OF CALIFORNIA)
)
COUNTY OF Alameda) ss:

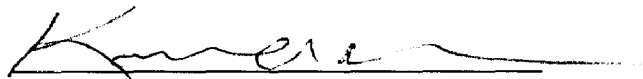
On the 24th day of February, 1999, personally appeared before me, Belva Mayfield, Notary Public, David J. Rakestraw proved to me to be the individual described in and who executed the foregoing instrument, and who acknowledged to me that he executed the same.



Belva Mayfield
Notary Public

Approved and consented to this 26 day of February, 1999.

SANDIA CORPORATION



Kurt C. Olsen
Attorney