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To the Director of the U.S. Patents and Trademark Office

documents or the new address(es) below.

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FINANCE SECTION

1. Name of conveying party(ies)/Execution Date(s):

Christopher J. Freitas
Mary Ann Clarke

Execution Date(s) July 8, 2004

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

2. Name and address of receiving party(ies)

Name: Southwest Research Institute

Internal Address: 6220 Culebra Road

San Antonio, TX 78268

Street Address: 6220 Culebra Road

City: San Antonio

State: TX

Country: USA Zip: 78268

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

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

A. Patent Application No.(s)

This document is being filed together with a new application.

B. Patent No.(s)

(07/16/2004 6TON11 00000040 031620 10782634)
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Additional numbers attached? Yes No

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

Name: ChevronTexaco Corporation

Internal Address: Law Department

Intellectual Property Unit

Street Address: 6001 Bollinger Canyon Road

City: San Ramon

State: CA Zip: 94583-2324

Phone Number : (925) 842-1476

Fax Number: (925) 842-2022

Email Address: RichardSchulte@ChevronTexaco.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 03-1620

Authorized User Name _____

9. Signature :

Richard J. Schulte
Signature

July 13, 2004
Date

Richard J. Schulte

Total number of pages including cover sheet, attachments, and documents 4

Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of
Christopher J. Freitas, et al.

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Serial No. 10/782,634

Action: Assignment

Filed: February 18, 2004

Title: N-Phase Interface Tracking Method Utilizing Unique Enumeration of Microgrid Cells

**TO: Commissioner of Patents
and Trademarks
Washington, DC 20231**

WHEREAS, we, CHRISTOPHER J. FREITAS, a citizen of the United States, residing at 7407 Chenal Point, San Antonio, Bexar County, Texas, and MARY ANN CLARKE, a citizen of the United States, residing at 3523 Huntwick Lane, San Antonio, Bexar County, Texas, are joint inventors of new and useful improvements in *N-PHASE INTERFACE TRACKING METHOD UTILIZING UNIQUE ENUMERATION OF MICROGRID CELLS* for which we have executed an application for Letters Patent which was filed on February 18, 2004;

WHEREAS, we represent that we are joint owners of said invention and application for Letters Patent; and,

WHEREAS, SOUTHWEST RESEARCH INSTITUTE[®], hereinafter called "ASSIGNEE," a Texas Corporation having its principal office at 6220 Culebra Road, San Antonio, Bexar County, Texas 78238-5166, is desirous of acquiring our right, title and interest in and to the said application and the invention therein described and claimed and any Letters Patent that may be issued upon said application or for the invention therein contained;

NOW, THEREFORE, for and in consideration of the sum of Sixty-Five Dollars (\$65.00), lawful money of the United States, and other valuable consideration, to us in hand paid, the receipt and sufficiency whereof we hereby acknowledge, we, the said CHRISTOPHER J. FREITAS and MARY ANN CLARKE, hereinafter called "ASSIGNORS" have sold, assigned and transferred, and do hereby sell, assign and transfer unto the said ASSIGNEE, its successors and assigns, our entire right, title and interest in and to (a) said invention and worldwide rights therein, including the right to

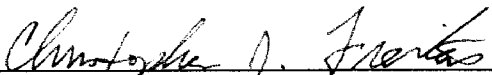
claim the priority date of said application and all other rights arising under the International Convention for the Protection of Industrial Property; (b) said application, including all divisions, continuations, continuations-in-part and substitutions thereof; and (c) all United States and foreign patents which shall issue on said invention, including all reissues, renewals, divisions and extensions thereof, for the United States, its territories and possessions and all foreign countries, including the right to file applications for Letters Patent on said invention in any and all foreign countries, the same to be held and enjoyed by said ASSIGNEE, its assigns and successors, as fully and entirely as the same would have been held and enjoyed by us, had this Assignment and sale not been made.

We request that any and all such Letters Patent for said invention be issued to ASSIGNEE, its successors, assigns and legal representatives, or to such nominees as it may designate.


We covenant and agree that we and our executors or administrators will, at any time upon the request and at the expense of said ASSIGNEE, execute and deliver any and all papers and perform all lawful acts that may be necessary or desirable, in the opinion of said ASSIGNEE, to enable and assist said ASSIGNEE to (a) obtain Letters Patent, both domestic and foreign, on said invention; (b) establish, maintain and secure title in said ASSIGNEE, its successors and assigns, to said invention, application and Letters Patent, including making such title of lawful public record; and (c) defend, establish or otherwise preserve the validity of said Letters Patent against any and all infringers, and perform such other acts as are necessary to give full force and effect to this Assignment.

ASSIGNORS further covenant with ASSIGNEE that the rights and property herein conveyed are free and clear of any encumbrances, and that ASSIGNORS have the full right to convey the same as herein expressed.

IN TESTIMONY WHEREOF, we have fully executed this Assignment this 24th day of July, 2004.



Christopher J. Freitas



Mary Ann-Clarke

