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(Rev. 6-93)

12-11-2002

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

TH1677 US

WRD

8/29/02



102308004

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

1. Name of conveying party(ies): John Michele HIRSCH March 08, 2001 Harold J. VINEGAR March 19, 2001 Robert Rex BURNETT March 08, 2001 William Mountjoy SAVAGE March 08, 2001 Frederick Gordon CARL, Jr. March 08, 2001 Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Shell Oil Company P.O. Box 2463 910 Louisiana Houston, Texas 77252-2463 Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution Date: March 8 and 19, 2001	

4. Application number(s) or patent number(s): 10220253 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). Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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5. Name and address of party to whom correspondence concerning document should be mailed: Name: Del S. Christensen Shell Oil Company Intellectual Property P.O. Box 2463 910 Louisiana Houston, Texas 77252-2463	6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41): \$ 40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 19-1800 (Attach duplicate copy of this page if paying by deposit account)
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DO NOT USE THIS SPACE

9. Statement and signature. <i>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.</i> Richard F. Lemuth <i>Richard F. Lemuth</i> Aug. 29, 2002 Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and document: 2		
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ASSIGNMENT

WHEREAS, we, John Michele HIRSCH, Harold J. VINEGAR, Robert Rex BURNETT, William Mountjoy SAVAGE, Frederick Gordon CARL, Jr., have made a certain improvement in **METHOD FOR DOWNHOLE POWER MANAGEMENT USING ENERGIZATION FROM DISTRIBUTED BATTERIES OR CAPACITORS WITH RECONFIGURABLE DISCHARGE** for which application papers for United States Patent thereon, identified as TH1677 (US), have been executed by us, and,

WHEREAS, SHELL OIL COMPANY, a Delaware Corporation, has equitable rights in and to this invention and desires to confirm such rights and to acquire all right, title and interest in and to said invention;

NOW THEREFORE, for valuable consideration received, we hereby sell, assign, and transfer to said SHELL OIL COMPANY, its successors and assigns, all right, title and interest in and to said invention in the United States and in all other countries throughout the world; including without limitation those in and to the above-named application and any continuation, substitute or division application thereof and the patent or patents which may be issued thereon in the United States and any reissue of any such patent, and those in and to any application or patent or utility model in any and all such other countries of the world, and further including the right to file further applications in all countries throughout the world in the name of SHELL OIL COMPANY or whomsoever that company may nominate, and to claim the priority of the above-named United States application under the International Convention of Paris of 1883.

With respect to any country where for the filing of such an application and/or the transfer of priority rights a separate deed of sale, assignment or transfer is required, we will undertake at the request of SHELL OIL COMPANY to execute such separate deed to SHELL OIL COMPANY or to whomsoever that company may nominate.

And we hereby agree that we will upon request execute any instrument which SHELL OIL COMPANY desires to carry this assignment in effect, and perfect the title transferred hereby, or to prosecute any of the above-mentioned United States applications or any foreign application on this invention.

And the Commissioner of Patents of the United States is hereby authorized to issue Letters Patent on said above-named application and on any continuation, substitute or division thereof to SHELL OIL COMPANY.

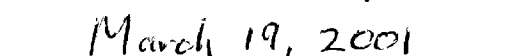
IN TESTIMONY WHEREOF, we have hereunto subscribed our names.



Witnesses:



JOHN MICHELE HIRSCH


Date


HAROLD J. VINEGAR


Date


(Witness)

(Witness)


(Witness)


(Witness)

Assignment (page 2)


ROBERT REX BURNETT

8 MARCH 2001
Date

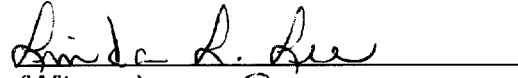



WILLIAM MOUNTJOY SAVAGE

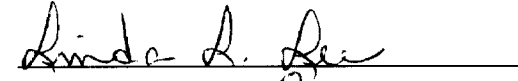
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Date

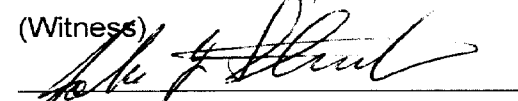

FREDERICK GORDON CARL, JR


3/8/01
Date

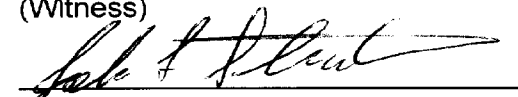

(Witness)


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