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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

100980059

To the Honorable Commissioner of Patents and Trademarks. Please attach the attached original documents or copy thereof. MID 2-25-99

1. Name of conveying party(ies):

Shibashis Bhowmik

Additional name(s) of conveying party(ies)
attached? Yes x No2. Name and address of receiving
party(ies):SOUTHWEST RESEARCH INSTITUTE
6220 Culebra Road
P.O. Drawer 28510
San Antonio, Texas 78228-0510Additional name(s) & address(es)
attached? Yes x No3. Nature of conveyance: X Assignment Merger
 Security Agreement Change of Name
 Other Execution Date: February 23, 1999

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: February 23, 1999

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes x No5. Name and address of party to whom
correspondence concerning document
should be mailed:Mark V. Muller
Jenkins & Gilchrist, P.C.
1445 Ross Avenue, Suite 3200
Dallas, Texas 75202-27996. Total number of applications and
patents involved: 1 7. Total fee (37 CFR 3.41):.... \$ 40.00 X Enclosed Authorized to be charged to
deposit account8. Deposit account number:
10-0447

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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.*Mark V. Muller, Reg. No. 37,509
Name of Person SigningMark V. Muller
Signature2/25/99
Date

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

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

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of	§	
Shibashis Bhowmik	§	Date:
	§	
Serial No.:	§	Action: Assignment
	§	
Filed:	§	

Title: Bi-Directional Power Conversion Apparatus for Combination of Energy Sources

**TO: Commissioner of Patents
and Trademarks
Washington, D. C. 20231**

WHEREAS, I, Shibashis Bhowmik, a citizen of India, residing at 5460 Rowley Road, #2105, San Antonio, Bexar County, Texas, have invented new and useful improvements in **Bi-Directional Power Conversion Apparatus for Combination of Energy Sources** for which I have executed an application for Letters Patent which was filed on even date herewith.

WHEREAS, I represent and warrant that I am the sole owner 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, is desirous of acquiring my 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 Fifty Dollars (\$50.00) lawful money of the United States, and other valuable consideration, to me in hand paid, the receipt and sufficiency whereof I hereby acknowledge, I, the said Shibashis Bhowmik, have sold, assigned and transferred and do hereby sell, assign and transfer unto the said ASSIGNEE, its successors and assigns, my entire right, title and interest in and to (a) said invention and worldwide rights therein; (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 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 me, had this Assignment and sale not been made.

I covenant and agree that I and my 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 do 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.

IN TESTIMONY WHEREOF, I have duly executed this Assignment this 23rd day of February, 1999.


SHIBASHIS BHOWMIK

STATE OF TEXAS §
 §
COUNTY OF BEXAR §

BEFORE ME, the undersigned authority, on this day personally appeared SHIBASHIS BHOWMIK known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office this 23rd day of February, 1999.


Notary Public, State of Texas

