



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

1. Name of conveying party(ies):  
FRED D LANG  
*3-28-03*  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)  
Name: EXERGETIC SYSTEMS LLC  
Internal Address: \_\_\_\_\_  
Street Address: 12 SAN MARINO DRIVE  
City: SAN RAFAEL State: CA Zip: 94901  
Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Date: 03/21/2003

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: \_\_\_\_\_  
A. Patent Application No.(s) 09/630,853  
B. Patent No.(s) \_\_\_\_\_  
Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: EXERGETIC SYSTEMS LLC  
Internal Address: FRED D LANG  
Street Address: 12 SAN MARINO DRIVE  
City: SAN RAFAEL State: CA Zip: 94901

6. Total number of applications and patents involved: 1  
7. Total fee (37 CFR 3.41).....\$ 40  
 Enclosed  
 Authorized to be charged to deposit account  
8. Deposit account number:  
502330

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9. Signature:  
  
GARY HOENIG Reg No. 46776  
Name of Person Signing

*Gary Hoenig*  
Signature

03/25/2003  
Date

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

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A S S I G N M E N T     O F     P A T E N T

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U.S. Patent Application Title:

INPUT/LOSS METHOD FOR DETERMINING  
BOILER EFFICIENCY OF A FOSSIL-FIRED SYSTEM

Application No.:     09/630,853

Filed:                     August 2, 2000

**WHEREAS**, I, Fred D.Lang, resident of the city of San Rafael, State of California, have invented a new and useful invention relating to a fossil-fired boiler, and, more particularly, to a method for determining its thermal efficiency to a high accuracy from its basic operating parameters for which an application has been made for Letters Patent of the United States, the said invention being fully described and identified by the specification and drawings in said application;

**WHEREAS**, Exergetic Systems, LLC, a California Limited Liability Corporation, is desirous of acquiring all of the rights, title, and interest to said invention and any and all Letters Patent thereon when granted;

**NOW, THEREFORE**, in consideration of Ten Dollars (\$10.00) to me in hand paid, and for other good and valuable consideration, I, the above-named inventor, have sold, assigned, and transferred, and hereby sell, assign, and transfer unto said Exergetic Systems, LLC, my entire right, title, and interest throughout the world in and to said invention; and in and to each and every improvement thereon; and in and to each and every Letters Patent of the United States and foreign countries that may be granted or issued on said invention and/or improvements; including each and every Letters

Patent granted or issued upon any application which is a division of an application on said invention and/or improvements; and in and to each and every reissue and extension of said Letters Patent, including the subject matter of any and all claims which may be obtained in every such patent;

**THE SAME TO BE HELD AND ENJOYED** by said Exergetic Systems, LLC, its successors, assigns, or other legal representatives, for its own use and benefit, and for the use and benefit of its successors, assigns, or other legal representatives, to the end of the term or terms for which said Letters Patent shall or may be granted, issued, reissued, or extended, as fully and completely as the same might or could have been held and enjoyed by me had this assignment not been made.

**AND I HEREBY** covenant and agree that I will, at any time upon request, execute and deliver any and all instruments that may be necessary or desirable to file or record in respect to said invention and/or improvements and/or Letters Patent to vest the entire right, title, and interest in and to the same in said Exergetic Systems, LLC, its successors, assigns, and other legal representatives, and if said Exergetic Systems, LLC, its successors or assigns, desires to secure Letters Patent of any foreign country on said invention and/or improvements, or to secure a reissue of any Letters Patent thereon, or to file a divisional application thereon, or a disclaimer of supplemental oath relating thereto, or to file a preliminary statement of any interference proceeding involving any application for Letters Patent on said invention and/or improvements thereon or involving Letters Patent granting thereon, I will, upon request, sign all papers, make all rightful oaths, and do all lawful acts requisite for the application for such patent, reissue or extension, and the procuring thereof, and for the filing of any such divisional application and the procuring

of a patent thereon, and for the filing of any such disclaimer, supplemental oath, or preliminary statement, without further compensation, but at the expense of my said assignee, Exergetic Systems, LLC, its successors, assigns, and other legal representatives;

AND THE COMMISSIONER OF PATENTS AND TRADEMARKS is hereby authorized and requested to issue the United States Letters Patent on my said invention, when granted, unto my said assigns, and other legal representatives, in accordance with this Assignment.

IN WITNESS WHEREOF, I, the above-named inventor have hereunto subscribed my name: Fred D. Lang  
on this 21 day of March, 2003.

ACKNOWLEDGEMENT

State of California )  
County of Marin ) ss:

On this 21<sup>st</sup> day of March, 2003 personally appeared before me FRED D. LANG to me known (or proven to be), and known by me to be the same persons described in and who executed the foregoing instrument, and acknowledged that he executed the same, or his own free will and for the purposes set forth.

Howard Salkin  
Notary Public

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