

04-18-2001

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

1. Name of conveying party:

Battelle Memorial Institute
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name Future Energy Resources Corporation

Address 3500 Parkway Lane, Suite 450

City: Norcross, Georgia Country: ZIP: 30092

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

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: March 21, 2001

4(a). Patent Application No.(s):

4(b). Patent No.(s): 4,828,581 and 5,494,653

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

Additional numbers attached? ☐ Yes ☒ No

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

Name: Gregory S. Smith, Esq.

Address: TROUTMAN SANDERS LLP
600 Peachtree Street, NE.
Suite 5200
Atlanta, GA 30308

6. Total number of applications and patents involved: 2

7. Total fee (37 CFR 3.41) enclosed: \$ 80.00

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8. 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.

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March 30, 2001
Date

Attorney Docket No: 10704.105289

Total number of pages including cover sheet: 4

Mail documents to be recorded with required cover sheet information to:

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PATENT
REEL: 011675 FRAME: 0263

ASSIGNMENT

Battelle Memorial Institute

to

Future Energy Resources Corporation

WHEREAS, Battelle Memorial Institute, herein called "Assignor" of Columbus, Ohio, has acquired the entire right, title and interest in and to the following Letters Patent of Herman F. Feldman of Worthington, Ohio and Mark A. Paisley of Upper Arlington, Ohio:

Letters Patent

<u>Country</u>	<u>Title</u>	<u>Patent No.</u>	<u>Serial No.</u>	<u>Date Issued</u>
U.S.	Low Inlet Gas Velocity High Throughput Biomass Gasifier	4,828,581	115,463	May 9, 1989
Australia	Low Inlet Gas Velocity High Throughput Biomass Gasifier	591714	6400286	Sept. 15, 1986
Canada	Low Inlet Gas Velocity High Throughput Biomass Gasifier	1,271,634	518,454	July 17, 1990
Japan	Low Inlet Gas Velocity High Throughput Biomass Gasifier	2059090	504942/86	June 10, 1996
Europe	Low Inlet Gas Velocity High Throughput Biomass Gasifier	239589	86905659.8	N/A
Austria	Low Inlet Gas Velocity High Throughput Biomass Gasifier	239589	86905659.8	April 18, 1990
Belgium	Low Inlet Gas Velocity High Throughput Biomass Gasifier	239589	86905659.8	April 18, 1990
France	Low Inlet Gas Velocity High Throughput Biomass Gasifier	239589	86905659.8	April 18, 1990
Germany	Low Inlet Gas Velocity High Throughput Biomass Gasifier	P3670507.1	86905659.8	April 18, 1990
Great Britain	Low Inlet Gas Velocity High Throughput Biomass Gasifier	239589	86905659.8	April 18, 1990
Italy	Low Inlet Gas Velocity High Throughput Biomass Gasifier	239589	86905659.8	April 18, 1990
Luxembourg	Low Inlet Gas Velocity High Throughput Biomass Gasifier	239589	86905659.8	April 18, 1990
Netherlands	Low Inlet Gas Velocity High Throughput Biomass Gasifier	239589	86905659.8	April 18, 1990
Sweden	Low Inlet Gas Velocity High Throughput Biomass Gasifier	239589	86905659.8	April 18, 1990
Switzerland	Low Inlet Gas Velocity High Throughput Biomass Gasifier	239589	86905659.8	April 18, 1990
U.S.	Method for Hot Gas Conditioning	5,494,653	08/113,167	Feb. 27, 1996
Canada	Method for Hot Gas Conditioning	N/A	2,247,528	Pending
Europe	Method for Hot Gas Conditioning	N/A	96907899.7	Pending

WHEREAS, Future Energy Resources Corporation of Atlanta, Georgia, incorporated in the State of Georgia, herein called "Assignee," is desirous of acquiring the entire right, title and interest in and to said Letters Patent;

NOW, THEREFORE, To All Whom It May Concern. Be it known that, for and in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and in consideration of the mutual agreements contained herein, the Assignor, by these presents, does hereby sell, assign, and transfer unto the Assignee its entire right, title, and interest in and to said Letters Patent and any substitution, division, continuation in part, or continuation of said Letters Patent.

Assignor further agrees that it will, at the request and expense of Assignee, execute or cause to be executed such other assurances of title as may be necessary or proper to fully convey the interest herein sought to be conveyed.

IN TESTIMONY WHEREOF we have hereunto set our hands and affixed our seals at _____
Columbus, Ohio this 21st day of March 2001.

Battelle Memorial Institute

By 

Name: Jerome R. Bahlmann

Title: Sr. Vice President and General Counsel

(B&B)

ACKNOWLEDGEMENT

STATE OF Ohio :
 : SS
COUNTY OF Franklin :

Before me, this 21st day of March, 2001, personally appeared
Jerome R. Bahlmann, who acknowledged himself to be
Sr. V.P. & General Counsel of Battelle Memorial Institute, and that as such he is authorized
to do so, executed the foregoing Assignment instrument for the purposes and considerations therein
expressed, by signing the name of the corporation by himself as Sr. V.P. & General Counsel.

Given under my hand and seal of office this 21st day of March, 2001.

Shari L. Dean

Notary Public

My Commission Expires

SHARI L. DEAN
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES 03-15-05