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To the Honorable Commissioner of Patents

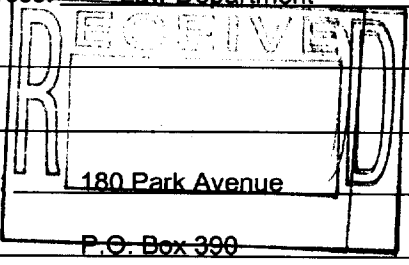
checked original documents or copy thereof.

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1. Name of conveying party(ies):

F. Hershkowitz H. W. Deckman
R. P. Reynolds C. P. Gonatas
J. W. Fulton L. Schoenman
J. I. Ito R. J. Koveal C. A. Coulaloglou
Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

2. Name and address of receiving party(ies)

Name: Exxon Research & Engineering Co.
Internal Address: Law Department

Street Address: 180 Park Avenue
P.O. Box 390
City: Florham Park State: NJ ZIP: 07932
Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date: May 21.22.23.27 & June 3.7.6.13. 1997

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)

08/845,706 filed April 25, 1997

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Exxon Research & Engineering Company
Internal Address: Law Department
Street Address: 180 Park Avenue
P.O. Box 390
City: Florham Park State: NJ ZIP: 07932

6. Total number of applications and patents involved:

1

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

☐ Enclosed
☒ Authorized to be charged to deposit account

8. Deposit account number:

05-1330

(Attach duplicate copy of this page if paying by deposit account)

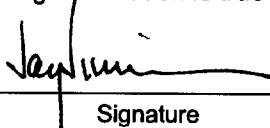
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9. Statement and signature.

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.

Jay Simon

Name of Person Signing



Signature

9/9/99

Date

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

2

**ASSIGNMENT
INVENTOR or INVENTORS:**

Frank Hershkowitz

Harry W. Deckman

Robert P. Reynolds

Constantine P. Gonatas

John W. Fulton

Leonard Schoenman

Jack I. Ito

Russell J. Koveal

Costas A. Coulaloglou

In consideration of One Hundred Twenty-five Dollars (\$125.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned person(s) named above, herein referred to as UNDERSIGNED, hereby agree(s) as follows:

1) UNDERSIGNED hereby assign(s) to Exxon Research and Engineering Company, a corporation of Delaware, its successors, legal representatives and assigns, herein referred to collectively as ASSIGNEE, the entire right, title and interest, for the United States and all foreign countries, in and to UNDERSIGNED'S invention or improvement and to all patent applications and patents covering same which is described in a patent application entitled

**MULTI-INJECTOR AUTOTHERMAL REFORMING PROCESS AND APPARATUS
FOR PRODUCING SYNTHESIS GAS**

said application having been executed on the 21, 22, 23, 27 day(s) of May & June 1997, and being further identified as Case Number LAW565; and all rights of priority created by said application under provisions of international conventions or treaties.

2) UNDERSIGNED agree(s) upon the request of ASSIGNEE to execute any and all applications for and documents relating to obtaining patents and the prosecution thereof for said invention or improvement, and any continuations of such applications or substitutes therefor or registrations thereof, and any specific separate assignments of any of the above required for recording in the United States Patent and Trademark Office and any foreign patent office that ASSIGNEE may deem necessary or expedient.

3) UNDERSIGNED agree(s) that in the event of any application based on said assigned invention or improvement, or patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in priority of invention proceedings, UNDERSIGNED will cooperate with ASSIGNEE to the best of the ability of UNDERSIGNED in the matter of preparing and executing all documents and giving and producing evidence in support thereof.

4) UNDERSIGNED agree(s) to perform upon ASSIGNEE's request any and all affirmative acts to obtain United States and foreign patents covering said invention or improvement and to vest all rights therein hereby conveyed to ASSIGNEE, as fully and as entirely as the same would have been held and enjoyed by UNDERSIGNED if this assignment and sale had not been made.

5) UNDERSIGNED hereby authorize(s) ASSIGNEE to insert in this instrument the date(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application.

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDER-SIGNED'S NAME.

Date 5/27/97

Inventor Frank Hershkowitz (LS)
FRANK HERSHKOWITZ

Witness Harold L. P.

Date 5/27/97

Inventor Harry W. Deckman (LS)
HARRY W. DECKMAN

Witness Harold L. P.

Date 5/27/97

Inventor Robert P. Reynolds (LS)
ROBERT P. REYNOLDS

Witness Harold L. P.

Date 6/3/97

Inventor Constantine P. Gonatas (LS)
CONSTANTINE P. GONATAS

Witness Harold L. P.

Date May 22, 1997

Inventor John W. Fulton (LS)
JOHN W. FULTON

Witness Harold L. P.

Date June 7, 1997

Inventor Leonard Schoenman (LS)
LEONARD SCHOENMAN

Witness Harold L. P.

Date June 6, 1997

Inventor Jack I. Ito (LS)
JACK I. ITO

Witness Harold L. P.

Date 6/13/97

Inventor Russell J. Koveal (LS)
RUSSELL J. KOVEAL

Witness Harold L. P.

Date May 23, 1997

Inventor Costas A. Coulaloglou (LS)
Costas A. Coulaloglou

Witness Harold L. P.

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