

To the Honorable Commissioner of Patents and Trademarks



Additional documents or copy thereof.

1. Name of conveying party(ies):

George D. Cody
David R. Johnsrud
Uri Sela

*MDP
8/2/99*

101109776

Name of receiving party(ies)

Name: Exxon Research & Engineering Co.

Internal Address: Law Department

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Assignment Change of Name
- Other _____

Street Address: 180 Park Avenue

P.O. Box 390

City: Florham Park State: NJ ZIP: 07932

Execution Date: September 14 and 24, 1997

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

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)

08/938348 filed September 26, 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)

08/04/1999 INQUIRY 00000252 051330 08938348

DO NOT USE THIS SPACE

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.

Ronald D. Hantman
Name of Person Signing

Ronald D. Hantman
Signature

July 27, 1999
Date

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

4

**ASSIGNMENT
INVENTOR or INVENTORS:**

GEORGE D. CODY

DAVID R. JOHNSRUD

URI SELA

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

**METHOD FOR DETERMINING OPERATING STATUS OF LIQUID PHASE
GAS-PHASE INTERACTION COLUMNS**

said application having been executed on the 14 & 24 day(s) of September 1997, and being further identified as Case Number LAW486 ; 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 9/24/97

Inventor *George D. Cody* (LS)
GEORGE D. CODY

Witness *Ronald D. Hartman*

Date _____

Inventor _____ (LS)
DAVID R. JOHNSRUD

Witness _____

Date 9/14/97

Inventor *Uri Sela* (LS)
URI SELA

Witness *Donald E. Brown*

Date _____

Inventor _____ (LS)

Witness _____

Date _____

Inventor _____ (LS)

Witness _____

Date _____

Inventor _____ (LS)

Witness _____

ASSIGNMENT
INVENTOR or INVENTORS:

GEORGE D. CODY

DAVID R. JOHNSRUD

URI SELA

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

Date _____ Inventor GEORGE D. CODY (LS) Witness _____

Date 9/14/97 Inventor David R. Johnsrud (LS) Witness [Signature]

Date _____ Inventor URI SELA (LS) Witness _____

Date _____ Inventor _____ (LS) Witness _____

Date _____ Inventor _____ (LS) Witness _____

Date _____ Inventor _____ (LS) Witness _____