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FORM PTO-1595
(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

PATENTS ONLY

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

1. Name of conveying party(ies):

FRANK S. ROSSER, JR.

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

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

Name: **UOP LLC**
Internal address:

Street Address: **25 EAST ALGONQUIN ROAD
P.O. BOX 5017**

City: **DES PLAINES** State: **ILLINOIS** Zip: **60017-5017**

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

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: **8/19/99**

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)

09/378,801

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: **UOP LLC**
Internal address: **ATTN: JOHN G. TOLOMEI**

Street Address: **25 EAST ALGONQUIN ROAD
P.O. BOX 5017**
City: **DES PLAINES** State: **ILLINOIS** Zip: **60017-5017**

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:
21-0600

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

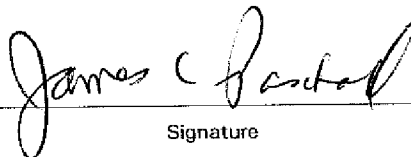
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9. Statement and signature.

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.

JAMES C. PASCHALL

Name of Person Signing



Signature

1 DEC. 2000

Date

Total number of pages including cover sheet, attachments, and documents: **2**

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

ASSIGNMENT

U.S. Provisional Application

U.S. Utility Patent Application

Attorney Docket No. 104439

WHEREAS, **FRANK S. ROSSER, JR.**, a citizen of the UNITED STATES OF AMERICA, residing in the City of LA GRANGE PARK, in the County of COOK and State of ILLINOIS, and hereinafter referred to as "the inventor" has invented certain new and useful improvements in

METHOD OF GAS STREAM PURIFICATION HAVING INDEPENDENT VAPOR AND LIQUID REFRIGERATION USING A SINGLE REFRIGERANT;

WHEREAS, the inventor hereby authorizes and requests his/her attorney/agent of record to have inserted on each page (where indicated below) the filing date and application number of said application when known; and

WHEREAS, UOP LLC, a company organized and existing under the laws of the State of Delaware having a principal place of business at Des Plaines, Illinois, is desirous of acquiring an interest in and to said application, the inventions disclosed therein, and the Letters Patent of the United States that may be issued thereon.

NOW, THEREFORE in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations the receipt of which is hereby acknowledged, said inventor does hereby transfer, set over and assign unto said UOP LLC, its successors and assigns, the entire right, title and interest in, to and under said application; the invention(s) covered thereby; any and all resultant patent or patents thereon; any renewals, reissues, extensions, reexaminations, substitutions, continuations, or divisions thereof, and all foreign rights thereunder including all rights to claim any priority in and to the inventions disclosed therein. Inventor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said UOP LLC, its successors and assigns.

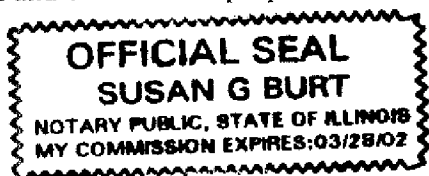
IN WITNESS WHEREOF, the inventor has set his/her signature hereunto on the date specified below.

<u>Frank S. Rosser Jr.</u> Frank S. Rosser, Jr.	<u>8-19-99</u> Date	<u>8-19-99</u> Date Executed
		Application for Letters Patent

State of Illinois
County of Cook

Before me, on this day, August 19, 1999, personally appeared **FRANK S. ROSSER, JR.**, to me personally known, who duly acknowledged the foregoing instrument to be his/her free and voluntary act and deed for the purposes therein expressed.

SEAL



Susan G. Burt
Notary Public

Serial No. 09/378 801 filed 8-23-99