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FORM PTO-1595
(Rev. 6-93)



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

100853487

COVER SHEET U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
ONLY

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

1. Name of conveying party(ies):

ROBERT J.L. NOE

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: 1/30/98

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)

09/020,971

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: THOMAS K. MCBRIDE

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)

~~10/15/1998~~ ~~STURNS~~ ~~00000119~~ ~~210600~~ ~~09020971~~

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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.

FRANK S. MOLINARO

Name of Person Signing

Frank S. Molinaro

Signature

5 OCT. 98

Date

Total number of pages including cover sheet, attachments, and documents: 3

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

PATENT
REEL: 9505 FRAME: 0820

ASSIGNMENT

WHEREAS, ROBERT J.L. NOE, a citizen of the UNITED STATES, residing in the City of MT. PROSPECT in the County of COOK and State of ILLINOIS, hereinafter referred to as inventor(s) has/have invented certain new and useful improvements entitled RAFFINATE LINE FLUSH IN SIMULATED CONTINUOUS MOVING BED ADSORPTIVE SEPARATION PROCESS for which inventor(s) is/are about to file a United States provisional patent application and/or an application for Letters Patent of the United States, bearing docket number JFS-429; 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(s), the invention(s) 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(s) does/do 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 provisional application and/or application for Letters Patent, and the invention(s) covered thereby, and the resultant patent or patents thereon, or any renewals, reissues, extensions, reexaminations, substitutions, continuations, or divisions thereof, including all foreign rights thereunder, all such inventions as fully set forth and described in the United States provisional patent application and/or the application for Letters Patent of the United States executed by inventor(s) on the date specified below. Inventor(s) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue said Letters Patent to said UOP LLC, its successors and assigns.

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

Robert J.L. Noe 30 JAN 98
Signature of ROBERT J.L. NOE Date

30 JAN 98
Date Executed
Application for Letters Patent

State of ILLINOIS
County of COOK

Before me, on this day, 1/31/98, personally appeared ROBERT J.L. NOE, 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.

Jeanine Niewiedzial
Notary Public



SEAL

Revised 10/21/97

RECORDED: 10/08/1998

PATENT 20 971
REEL: 9505 FRAME: 0821