

10-21-1999

FORM PTO-1595

REC



SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

(Rev. 6-93)

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

101178698

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

1. Name of conveying party(ies):

CHARLES P. LUEBKE
WILLIAM A. LEET
JOSEPH E. ZIMMERMANN
RONALD J. VANGELISTI
TERRY L. MARKER

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 ☒ No3. Nature of conveyance: **MRO 10-18-99**

☒ Assignment Merger
☐ Security Agreement Change of Name
☐ Other

Execution Date: **12/7/98, 12/7/98, 12/7/98, 11/25/98, 12/9/98**

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)

09/170,810

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)

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.

10/20/1999 DNGUYEN 00000190 210600 09170810

01 FC:581

40.00 CH
MARYANN MAAS

Name of Person Signing

Signature

13 Oct. 99

Date

Total number of pages including cover sheet, attachments, and documents: **5**

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

PATENT
REEL: 010314 FRAME: 0705

ASSIGNMENT

Identification of Application:

☐ U.S. Provisional Application No. _____

☒ U.S. Utility Patent Application No. 09/170,810

Title: PROCESS FOR PERFORMING A SWING BED REGENERATION OPERATION
WITH MINIMAL DOWNSTREAM UPSETS

Attorney Docket No. 103388

Filed: OCTOBER 13, 1998

WHEREAS, CHARLES P. LUEBKE, a citizen of THE UNITED STATES OF AMERICA, residing in the City of MOUNT PROSPECT, in the County of COOK and State of ILLINOIS; and WILLIAM A. LEET, a citizen of THE UNITED STATES OF AMERICA, residing in the City of NAPERVILLE, in the County of WILL and State of ILLINOIS; and JOSEPH E. ZIMMERMANN, a citizen of THE UNITED STATES OF AMERICA, residing in the City of ARLINGTON HEIGHTS, in the County of COOK and State of ILLINOIS; and RONALD J. VANGELISTI, a citizen of THE UNITED STATES OF AMERICA, residing in the City of MARSEILLES, in the County of LA SALLE and State of ILLINOIS; and TERRY L. MARKER, a citizen of THE UNITED STATES OF AMERICA, residing in the City of WARRENVILLE, in the County of DU PAGE and State of ILLINOIS; and hereinafter referred to as inventor(s) has/have invented certain new and useful improvements set out in the above-captioned application, 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(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 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(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.

Charles P. Luebke
Signature of: CHARLES P. LUEBKE

Dec 7, 1998
Date

September 21, 1998
Date Executed
Application for Letters Patent

State of ILLINOIS
County of COOK

Before me, on this day, Dec. 7, 1998, personally appeared CHARLES P. LUEBKE, 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



Janet Kucharski
Notary Public

William A. Leet
Signature of: WILLIAM A. LEET

December 7, 1998
Date

September 21, 1998
Date Executed
Application for Letters Patent

State of ILLINOIS
County of COOK

Before me, on this day, Dec 7, 1998, personally appeared WILLIAM A. LEET, 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

Janet Kucharski
Notary Public



Joseph E. Zimmermann
Signature of: JOSEPH E. ZIMMERMANN

Dec 7, 1998
Date

September 21, 1998
Date Executed
Application for Letters Patent

State of ILLINOIS
County of COOK

Before me, on this day, Dec 7, 1998, personally appeared JOSEPH E. ZIMMERMANN, 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

Janet Kucharski
Notary Public



Ronald J. Vangelisti

Signature of: RONALD J. VANGELISTI

Nov 25, 1998

Date

September 29, 1998

Date Executed

Application for Letters Patent

State of ILLINOIS

County of LaSalle

Before me, on this day, Nov 25, 1998, personally appeared RONALD J. VANGELISTI, 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

Mary Kay Clark
Notary Public

Terry L. Marker
Signature of: TERRY L. MARKER

Dec 9, 1998
Date

October 12, 1998

Date Executed

Application for Letters Patent

State of ILLINOIS

County of COOK

Before me, on this day, Dec 9, 1998, personally appeared TERRY L. MARKER, 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



Alice E. Signorini