

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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):

TOM N. KALNES

DAVID B. GATES

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

3. Nature of conveyance:

XXX Assignment
Security Agreement
Other _____Merger
Change of Name

Execution Date: 9/13/00, 9/15/00

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 XXX 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)

09/669,791

B. Patent No.(s)

Additional numbers attached? Yes XXX No

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

Name: UOP LLC
Internal address: ATTN: JOHN G. TOLOMEIStreet Address: 25 EAST ALGONQUIN ROAD
P.O. BOX 5017
City: DES PLAINES State: ILLINOIS Zip: 60017-50176. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)

\$40.00

Enclosed

XXX Authorized to be charged to deposit account

8. Deposit account number:

21-0600

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

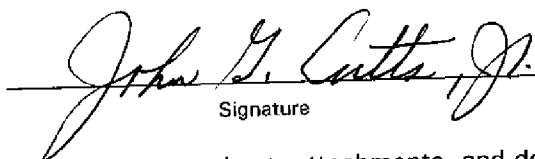
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9. Statement and signature.

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.

JOHN G. CUTTS, JR.

Name of Person Signing



Signature

15 Nov. 2001

Date

Total number of pages including cover sheet, attachments, and documents: 3Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

700008726

PATENT
REEL: 12176 FRAME: 0272

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ASSIGNMENT☐ U.S. Provisional Application☒ U.S. Utility Patent Application

Attorney Docket No. 105363

WHEREAS, **TOM N. KALNES**, a citizen of the UNITED STATES OF AMERICA, residing in the City of LA GRANGE, in the County of COOK and State of ILLINOIS, and **DAVID B. GATES**, a citizen of the UNITED STATES OF AMERICA, residing in the City of SCHAUMBURG, in the County of COOK and State of ILLINOIS, and hereinafter referred to as "the inventors" have invented certain new and useful improvements in

IMPROVED HYDROCRACKING PROCESS

WHEREAS, the inventors hereby authorize and request their 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 inventors 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. Inventors hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said UOP LLC, its successors and assigns.

IN WITNESS WHEREOF, the inventors have set their signatures hereunto on the date specified below.

Application No. 09/669 791 filed 9-26-2000

Atty. Docket # 105363

PATENT (Rev. 03-21-00)
REEL: 12176 FRAME: 0273

Page 2 of 2

Tom N. Kalnes
Tom N. Kalnes09-13-00
Date09-13-00

Date Executed

Application for Letters Patent

State of Illinois
County of Cook

Before me, on this day, September 13, 2000, personally appeared **TOM N. KALNES**, 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
Notary PublicDavid B. Gates
David B. Gates9-15-00
Date09-15-00

Date Executed

Application for Letters Patent

State of Illinois
County of Cook

Before me, on this day, 9-15-00, personally appeared **DAVID B. GATES**, 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

Gloria Konkey
Notary PublicApplication No. 09/669 791filed 9-26-2000Atty. No. 105362
RECORDED: 11/15/2001

PATENT (Rev. 03-21-00)

REEL: 12176 FRAME: 0274