

FORM PTO-1595 (Rev. 6-93) **RECORDATION FORM COVER SHEET** U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

**PATENTS ONLY**

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

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

<p>1. Name of conveying party(ies):</p> <p><b>DAVID B. GATES</b></p> <p><b>TOM N. KALNES</b></p> <p>Additional name(s) of conveying party(ies) attached? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <b>UOP LLC</b></p> <p>Internal address:</p> <p>Street Address: <b>25 EAST ALGONQUIN ROAD</b> <b>P.O. BOX 5017</b></p> <p>City: <b>DES PLAINES</b> State: <b>ILLINOIS</b> Zip: <b>60017-5017</b></p> <p>Additional name(s) &amp; address(es) attached? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment      Merger</p> <p><input type="checkbox"/> Security Agreement      Change of Name</p> <p><input type="checkbox"/> Other _____</p> <p>Execution Date: <b>4/10/00, 7/18/00</b></p>	

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: \_\_\_\_\_

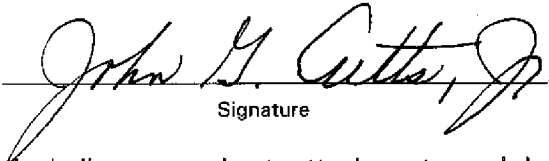
<p>A. Patent Application No.(s)</p> <p><b>09/669,790</b></p>	<p>B. Patent No.(s)</p>
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Additional numbers attached? Yes  No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <b>UOP LLC</b></p> <p>Internal address: <b>ATTN: JOHN G. TOLOMEI</b></p> <p>Street Address: <b>25 EAST ALGONQUIN ROAD</b> <b>P.O. BOX 5017</b></p> <p>City: <b>DES PLAINES</b> State: <b>ILLINOIS</b> Zip: <b>60017-5017</b></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <hr/> <p>7. Total fee (37 CFR 3.41) <b>\$40.00</b></p> <p>Enclosed</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <hr/> <p>8. Deposit account number:</p> <p><b>21-0600</b></p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>
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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.*

<p><b>JOHN G. CUTTS, JR.</b> Name of Person Signing</p>	 <p>Signature</p>	<p><b>15 Nov. 2001</b> Date</p>
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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

# ASSIGNMENT

U.S. Provisional Application

U.S. Utility Patent Application

Attorney Docket No. 103381

WHEREAS, 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 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 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. 09/669 790 filed 9-26-2000

Atty. Docket No. 103381

**PATENT**  
**REEL: 12176 FRAME: 0276**

David B. Gates

DAVID B. GATES

April 10, 2000

Date

April 10, 2000

Date Executed

Application for Letters Patent

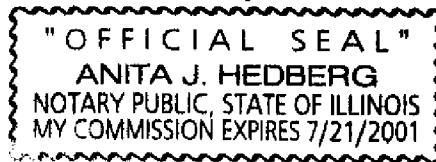
State of Illinois  
County of Cook

Before me, on this day, April 10, 2000, 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.

Anita J. Hedberg

Notary Public

SEAL



Tom N. Kalnes

TOM N. KALNES

July 18, 2000

Date

July 18, 2000

Date Executed

Application for Letters Patent

State of Illinois  
County of Cook

Before me, on this day, July 18, 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.

Alice E. Signorini

Notary Public

SEAL



Application No. 09/669 790 filed 9-26-2000

Atty. Docket No. 103381  
RECORDED: 11/15/2001

PATENT  
REEL: 12176 FRAME: 0277