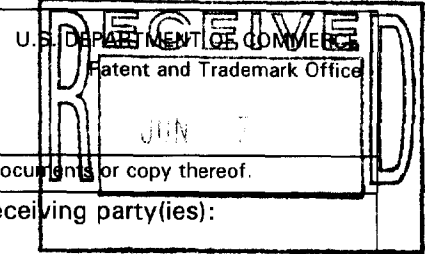


06-10-1999



101060473

COVER SHEET



To the Honorable Commis

1. Name of conveying party(ies):

BIPIN V. VORA

MRD 6.7.99

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

3. Nature of conveyance:

XXX Assignment Merger  
Security Agreement Change of Name  
Other

Execution Date: 6/17/98

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)

09/103,180

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: 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  
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)

06/10/1999 KTHA11 00000024 210600 09103180  
01 FC:501 40.00 CH

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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.

RICHARD P. SILVERMAN

Name of Person Signing

Signature

2 JUNE 99

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

# ASSIGNMENT

Identification of Application:

U.S. Provisional Application No. \_\_\_\_\_  
 U.S. Utility Patent Application No. 09/103 180

Title: PROCESS FOR THE PRODUCTION OF BUTENE-1 FROM A MIXTURE OF C<sub>4</sub> OLEFINS

Attorney Docket No. 103160 Filed: \_\_\_\_\_

WHEREAS, BIPIN V. VORA, a citizen of the UNITED STATES OF AMERICA, residing in the City of DARIEN, in the County of DU PAGE and State of ILLINOIS; and hereinafter referred to as inventor has 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 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.

Bipin V. Vora  
Signature of: BIPIN V. VORA Date June 17, 98 6/17/98  
Date Executed  
Application for Letters Patent

State of ILLINOIS  
County of COOK

Before me, on this day, 6-17-98, personally appeared BIPIN V. VORA, 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.

Muriel R Sibert  
Notary Public

SEAL



Docket # 103160  
Form Revised 6/1/98