

04-30-2002



FORM PTO-1595  
(Modified)

FR SHEET

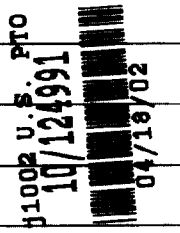
U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

102073222  
PATENT

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): *04/18/02*  
Shaotian Wang (executed April 15, 2002)  
Clifford C. Lee (executed April 15, 2002)  
Mark P. Mack (executed April 16, 2002)  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):  
Name: Equistar Chemicals L.P.  
Internal Address: Same as street address  
Street Address: One Houston Center  
1221 McKinney Street  
City: Houston State: Texas Zip: 77010  
Additional name(s) & address(es) attached?  Yes  No



3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Date: As noted in Box #1, respectively

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) New patent application, filed April 18, 2002  
B. Patent No.(s)  
Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: James W. Proscia  
Address: Brooks & Kushman P.C.  
1000 Town Center, Twenty-Second Floor  
City: Southfield State: MI ZIP: 48075  
04/22/2002 BSA:AS11 00000013 10124991  
04 EC:581 40.00 00

6. Total number of applications and patents involved: 1  
7. Total Fee (37 C.F.R. § 1.21(h)) ..... \$ 40.00  
 Enclosed (included in patent application filing fee check)  
 Authorized to be charged to Deposit Account  
8. Deposit Account Number: \_\_\_\_\_  
(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.  
JAMES W. PROSCIA *James Proscia* April 18, 2002  
Name of Person Signing Signature Date

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

Mail documents to be recorded with required cover sheet information to:  
Box Assignments, Director of the United States Patent and Trademark Office  
Washington, D.C. 20231

PATENT  
REEL: 012828 FRAME: 0561

### ASSIGNMENT

For the sum of One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged, we Shaotian Wang of 7623 Deer Crossing Drive, Mason, Ohio 45040; Clifford C. Lee of 5577 Dockside Drive, Mason, Ohio 45040; and Mark P. Mack of 8483 Beckett Pt. Drive, Westchester, Ohio 45069, respectively, do hereby assign, sell and set over to Equistar Chemicals L.P., a corporation organized and existing under the laws of the State of Delaware and having a place of business at One Houston Center, 1221 McKinney St., Houston, Texas 77010 hereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in

#### **CATALYSTS CONTAINING AT LEAST ONE HETEROCYCLIC LIGAND FOR IMPROVING THE CATALYSTS' PERFORMANCE OF OLEFIN POLYMERIZATION**

set forth in the application for United States Letters Patent executed by us on the 15 day of APRIL, 2002, the 15 day of APRIL 2002, and on the 16 day of APRIL, 2002, respectively; or


for which an application for a United States Patent was filed on \_\_\_\_\_, Application No. \_\_\_\_\_ (we hereby authorize our attorney to insert the application filing date and number when they become known),

including the right of said ASSIGNEE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent for said inventions and discoveries in any and all foreign countries in its or their own name or names, or in our names, at its or their election, and we hereby assign, sell and set over to said ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority in and to said inventions and discoveries in all countries, including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue applications.

And we hereby agree for ourselves, our heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned, sold and set over.

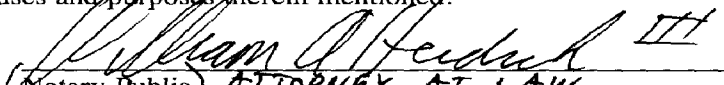
And we hereby represent and warrant that we have not granted any rights inconsistent with the rights granted herein.

Date: April 15, 2002

  
\_\_\_\_\_  
SHAOTIAN WANG

STATE OF OHIO )  
  ) ss.  
COUNTY OF HAMILTON )

On this 15 day of APRIL, 2002, personally appeared before me Shaotian Wang, to me known to be the person named in and who executed the above instrument, and acknowledged that they executed the same for the uses and purposes therein mentioned.

  
\_\_\_\_\_  
(Notary Public) ATTORNEY AT LAW  
My Commission expires: is non-expiring (ORC)  
WILLIAM A. HEIDRICH, III

(SEAL)

Date: April 15, 2002

Clifford C. Lee  
CLIFFORD C. LEE

STATE OF Ohio )  
 ) ss.  
COUNTY OF HAMILTON )

On this 15 day of APRIL, 2002, personally appeared before me Clifford C. Lee, to me known to be the person named in and who executed the above instrument, and acknowledged that he executed the same for the uses and purposes therein mentioned.

WILLIAM A. HEIDRICH III William A. Heidrich III  
Notary Public Attorney-at-law  
My Commission expires: is not-expiring  
per OHIO REV. CODE

(SEAL)

Date: April 16, 2002

Mark P. Mack  
MARK P. MACK

STATE OF Ohio )  
 ) ss.  
COUNTY OF HAMILTON )

On this 16 day of April, 2002, personally appeared before me Mark P. Mack, to me known to be the person named in and who executed the above instrument, and acknowledged that he executed the same for the uses and purposes therein mentioned.

Deborah J. Schneider  
Notary Public  
My Commission expires:

**DEBORAH J. SCHNEIDER**  
**Notary Public, State of Ohio**  
**My Commission Expires June 1, 2004**  
**Recorded in Warren County**

(SEAL)