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SHEET

U.S. DEPARTMENT OF COMMERCE  
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To the Honorable Assistant Cor

original documents or copy thereof.

12-30-08

1. Name of conveying parties:  
Wilfred Po-sum Shum

Additional name(s) of conveying party(ies) attached:  Yes  No.

2. Name and address of receiving party(ies):

Name: LYONDELL CHEMICAL TECHNOLOGY, L.P.

Internal Address: SAME

Street Address: Two Greenville Crossing

4001 Kennett Pike, Suite 238

City: Greenville State DE Zip 19807

Additional name(s) & address(es) attached:  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: 12/30/2008

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)

Serial Number:

Filing Date: 12/30/2008

B. Patent No.(s)

Additional numbers attached?  Yes  No.

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

**CUSTOMER NUMBER 24114**

Name: Yuanzhang Han

Internal Address: Legal Department

Street Address: LyondellBasell Industries

3801 West Chester Pike

City: Newtown Square State PA Zip 19073

6. Total number of applications and patents  
involved: ONE

7. Total fee (37 CFR 3.41) \$40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit Account Number: 01-2230

(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.

Yuanzhang Han

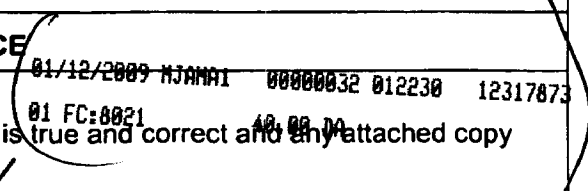
Name of Person Signing  
Reg. No. 57,233

Signature

December 30, 2008

Date

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



**ASSIGNMENT OF APPLICATION FOR PATENT**

**WHEREAS:**

Names and Addresses of Inventor:

**Wilfred Po-sum Shum, 2603 Winterbridge Lane, West Chester, Pennsylvania 19382 USA**

(hereinafter referred to as ASSIGNOR), has invented and owns a certain invention entitled:

Title of Invention: **CATALYST REGENERATION**

for which application for Letters Patent of the United States has been filed on.

Particulars of Application

under Serial No. \_\_\_\_\_ and \_\_\_\_\_

**WHEREAS: LYONDELL CHEMICAL TECHNOLOGY, L.P.**  
Two Greenville Crossing  
4001 Kennett Pike, Suite 238  
Greenville, Delaware 19807  
United States of America

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

**NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:** Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

Full Names of Inventor:

DATE



**Wilfred Po-sum Shum**

Dec 30, 2008