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(Rev. 6-93)

OMB No. 06.



103562287

IM COVER SHEET

S ONLY

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

77-3003A

To the Honorable Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Names of conveying parties:

(a) Joseph P. Bridges, (b) Allen David Hood, Jr.,  
(c) Scott A. Smith, and (d) Solon B. Williams

Additional name(s) of conveying party attached:

Yes: No: (X)

2. Name and address of receiving party:

Name: EQUISTAR CHEMICALS, LP

Internal Address: SAME

Street Address: One Houston Center  
1221 McKinney Street

City: Houston State: TX Zip: 77010

Additional name and address attached: Yes ( ) No (X)

3. Nature of conveyance:

- (X) Assignment ( ) Merger  
( ) Security Agreement ( ) Change of Name  
( ) Other

Execution Dates: (a) May 11, 2009; (b) May 11,  
2009; (c) May 14, 2009; and (d) May 11, 2009

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution dates of the application are May 11, 2009, and May 14, 2009.

A. Patent Application No.

B. Patent No.(s)

Additional numbers attached? Yes ( ) No (X)

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

Name: Dennis M. Kozak, Esquire

Internal Address: Legal Department

Street Address: LyondellBasell Industries

3801 West Chester Pike

City: Newtown Square State: PA Zip: 19073

CUSTOMER NUMBER: 24114

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: (X)

8. Deposit Account Number: 01-2230

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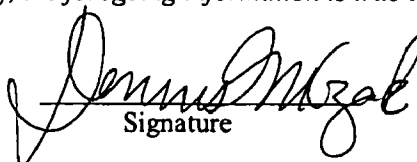
9. Statement and signature:

*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.*

Dennis M. Kozak, Esquire

Name of Person Signing

Reg. No. 28,318

  
Signature

May 22, 2009

Date

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

**ASSIGNMENT OF APPLICATION FOR PATENT****WHEREAS:**

Names and Addresses of Inventors:

**Joseph P. Bridges, 13819 Round Oak Court, Houston, Texas 77059, U.S.A.**  
**Allen David Hood, Jr., 4106 Village Corner Drive, Houston, Texas 77059, U.S.A.**  
**Scott A. Smith, 564 Worth Court, Clinton, Iowa 52732, U.S.A.**  
**Solon B. Williams, 2722 Evergreen Cliff Trail, Kingwood, Texas 77345, U.S.A.**

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

Title of Invention: **FRACTIONAL EXTRACTION OF BUTADIENE**

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

Particulars of  
Application

under Serial No.                      and

**WHEREAS: EQUISTAR CHEMICALS, LP**  
**One Houston Center**  
**1221 McKinney Street**  
**Houston, Texas 77010**

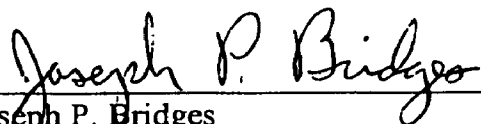
(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

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.

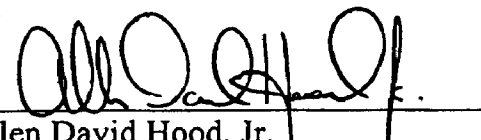
ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation 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 Inventors:

  
Joseph P. Bridges


DATE

05/11/09

  
Allen David Hood, Jr.

DATE

05/11/09

  
Scott A. Smith

DATE

5/14/09

  
Solon B. Williams

DATE

05/11/09