

11-04-2008



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To the Director of the U.S. Patent and Trademark Office, or to the address(es) below.

1. Name of conveying party(ies)

SEBASTIAN JOSEPH

2. Name and address of receiving party(ies)

Name: Equistar Chemicals, LP

Internal Address: One Houston Center

Street Address: 1221 McKinney Street

City: Houston

State: Texas

Country: USA Zip: 77010

Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) October 9, 2008

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

12/287,449

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Willaim A. Heidrich

Internal Address: Equistar Chemicals, LP

Street Address: 11530 Northlake Drive

City: Cincinnati

State: OH Zip: 45140

Phone Number: 513-530-4238

Fax Number: 513-530-4316

Email Address: _____

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 01-2230

Authorized User Name Gerald A. Baracka

9. Signature:

Gerald A. Baracka
Signature

10/29/08
Date

Gerald A. Baracka

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

11/04/2008 DBYRNE 00000009 012230 12287449
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ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

Sebastian Joseph, 4680 Lakeridge Court, Mason, Ohio 45040 USA

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

Title of Invention: **IMPROVED MULTIMODAL POLYETHYLENE
PIPE RESINS AND PROCESS**

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

Particulars of
Application

under Serial No. **12/287,449** and

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

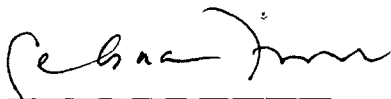
ASSIGNOR hereby covenants that no assignment, sale, agreement, or

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(s):

DATE



Sebastian Joseph

10/9/08