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U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office



EET

Attorney Docket Number
01-2726A

To the Director of the U.S. Patent and

103606456

documents or the new address(es) below.

1. Name of conveying party(ies)

(A) Noel C. Hallinan; (B) Brian A. Salisbury

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

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

Execution Date(s): (A) 5/1/08; (B) 5/2/08;

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

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: Delaware Zip: 19807

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

4. Application or patent number(s):

A. Patent Application No.

Filed:

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

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Shao-Hua Guo

Internal Address: Legal Department

LyondellBasell Industries

Street Address: 3801 West Chester Pike

City: Newtown Square

State: Pennsylvania Zip: 19073

Phone Number: (610) 359-2455

Fax Number: (610) 359-2414

Customer Number: 24114

6. Total number of applications and patents involved: One

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

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

8. Payment information

a. Credit Card Last 4 Numbers _____

Expiration Date _____

b. Deposit Account Number 01-2230

Authorized User Name Francis P. McGrail

09/09/2010 10:00:00 00000023 012230 12807110

01 FC:0021

40.00 DA

9. Signature:

Shao-Hua Guo

Signature

Shao-Hua Guo

Name of Person Signing

Reg. No. 44,728

May 7, 2008

Date

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

3

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

Noel C. Hallinan: 9074 Symmesview Court, Loveland, Ohio 45140, USA

Brian A. Salisbury: 2210 Kings Row Road, Oxford, Pennsylvania 19363, USA

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

Title of Invention: **REMOVING HYDROCARBON IMPURITIES FROM ACETIC ACID BY IONIC LIQUID EXTRACTION**

for which application for Letters Patent of the United States was filed on

Particulars of Application

under Serial No. and

**WHEREAS: LYONDELL CHEMICAL TECHNOLOGY, L.P.
Two Greenville Crossing
4001 Kennett Pike, Suite 238
Greenville, DE 19807**

(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.

PATENT

REEL: 024960 FRAME: 0526

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):

Noel C. Hallinan
Noel C. Hallinan

5/1/08
Date

Brian A. Salisbury
Brian A. Salisbury

5/2/08
Date