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# 12-29-2005

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**EET** 

| To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.  1. Name of conveying party(ies)  Michael J. Keenan and Steven E. Silverberg    Mane: ExconMobil Chemical Patents, Inc.  | CDT/E-M 1880 103146                        |   |  |
|--|--|---|--|
| Michael J. Keenan and Steven E. Silverberg    Name: ExconMobil Chemical Patents, Inc.   Internal Address:   Name: Excondobil Chemical Patents, Inc.   Internal Address:   Street Address:   P.O. Box 2149  |  |   |  |
| Internal Address:  | 1. Name of conveying party(ies)            | 2. Name and address of receiving party(ies)       |  |
| Additional name(s) of conveying party(les) attached? Ves No  Street Address: P.O. Box 2149  Stat: Texas  Country: USA  Street Address: P.O. Box 2149  Stat: Texas  Country: USA  Street Address: P.O. Box 2149  Stat: Texas  Country: USA  Street Address: P.O. Box 2149  Stat: Texas  Country: USA  Stat:  | Michael J. Keenan and Steven E. Silverberg | Name: ExxonMobil Chemical Patents, Inc.           |  |
| Street Address: P.O. Box 2149  |  | Internal Address:                                 |  |
| Street Address: P.O. Box 2149  |  |   |  |
| Execution Date(s) 04/19/05  Assignment  Security Agreement  Government Interest Assignment  Executive Order 9424, Confirmatory License  Other  Additional name(s) & address(e) attached? Yes No  Application or patent number(s):  A. Patent Application No.(s)  Internal Address:  Name: Kenneth H. Johnson  Internal Address:  Street Address: P.O. Box 630708  City: Houston  State: Texas  Country: USA  Zip:77522-2149  Additional name(s) & address(es) attached? Yes No  S. Name and address to whom correspondence concerning document should be mailed:  Name: Kenneth H. Johnson  Internal Address:  Country: USA  Zip:77522-2149  Additional name(s) & address(es) attached? Yes No  S. Name and address to whom correspondence concerning document should be mailed:  Name: Kenneth H. Johnson  Internal Address:  Country: USA  Zip:77522-2149  Additional name(s) & address(es) attached? Yes No  S. Name and address to whom correspondence concerning document should be mailed:  Name: Kenneth H. Johnson  Internal Address:  Country: USA  Zip:77522-2149  Additional name(s) & address(es) attached? Yes No  S. Name (additional name(s) & address(es) attached? Yes No  S. Name (additional name(s) & address(es) attached? Yes No  S. Name (additional name(s) & address(es) attached? Yes No  S. Name (additional name(s) & address(es) attached? Yes No  S. Name (additional name(s) & address(es) attached? Yes No  S. Name (additional name(s) & address(es) attached? Yes No  S. Name (additional name(s) & address(es) attached? Yes No  S. Name (additional name(s) & address(es) attached? Yes No  S. Name (additional name(s) & address(es) attached? Yes No  S. Name (additional name(s) & address(es) attached? Yes No  S. Name (additional name(s) & address(es) attached? Yes No  S. Name (additional name(s) & address(es) attached? Yes No  S. Name (additional name(s) & address(es) attached? Yes No  S. Name (additional name(s) & address(es) attached? Yes No  S. Name (additional name(s) & address(es) attached? Yes No  S. Name (additional name(s) & address(es) attached? Yes No |  |   |  |
| ✓ Assignment   | •  | Street Address: P.O. Box 2149                     |  |
| Security Agreement   |  |   |  |
| Security Agreement   Change of Name   State: Texas     Government Interest Assignment   Executive Order 9424, Confirmatory License   Additional name(s) & address(es) attached?   Yes   No   |  | Citv: Bavtown                                     |  |
| Government Interest Assignment  Executive Order 9424, Confirmatory License  Other  Additional name(s) & address(es) attached?  |  |   |  |
| Country: USA Zip:77522-2149    Other   |  | State: Texas                                      |  |
| Additional name(s) & address(es) attached? Yes No.  4. Application or patent number(s):  A. Patent Application No.(s)  Internal Address:  Street Address: P.O. Box 630708  City: Houston  State: Texas  Phone Number: 713-7807671  Email Address: John7820@gaf.com  P. Additional name(s) & address(es) attached? Yes No.  Additional name(s) & address(es) attached? No.  B. Patent No.(s)  B. Patent No.(s)  6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$ prev. paid  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  Authorized User Name  9. Signature:  Additional name(s) & address(es) attached? No.  B. Patent No.(s)  6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$ prev. paid  Authorized to be charged by credit card  Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting title  b. Deposit Account Number  Authorized User Name   |  | Country: USA Zip:77522-2149                       |  |
| 4. Application or patent number(s):  A. Patent Application No.(s)  11/010,990  Additional numbers attached? Yes Vo  5. Name and address to whom correspondence concerning document should be mailed:  Name: Kenneth H. Johnson  Internal Address:  Street Address: P.O. Box 630708  City: Houston  State: Texas  Phone Number: 713-780-7047  Fax Number: 713-780-7047  Fax Number: 713-780-7047  Email Address: john7820@agc.com  9. Signature:  This document is being filed together with a new application of B. Patent No.(s)  B. Patent No.(s)  B. Patent No.(s)  B. Patent No.(s)  6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$ prev. paid  Authorized to be charged by credit card  Authorized to be charged to deposit account Enclosed  None required (government interest not affecting title b. Deposit Account Number  Expiration Date  b. Deposit Account Number  Authorized User Name  12/2/2005   |  |   |  |
| A. Patent Application No.(s)  Additional numbers attached? Yes No  5. Name and address to whom correspondence concerning document should be mailed:  Name: Kenneth H. Johnson  Internal Address:   |  |   |  |
| Internal Address:  |  | tached? ☐ Yes ✔ No                                |  |
| Internal Address:  |  | , ,   |  |
| Internal Address:  | Name:Kenneth H. Johnson                    | 7. Total fee (37 CFR 1.21(h) & 3.41) \$ prev_paid |  |
| Street Address: P.O. Box 630708    City: Houston   | Internal Address:                          |   |  |
| State: Texas Zip:77263  Phone Number: 713-780-7047  Fax Number: 713-7807671  Email Address: john7820@apt.com  9. Signature:  Authorized User Name  12/2/2005   | Street Address: P.O. Box 630708            |   |  |
| State: Texas Zip:77263 Expiration Date  Phone Number: 713-780-7047  Fax Number: 713-7807671  Email Address: john7820@agd.com  9. Signature: 12/2/2005  | City: Houston                              | 8. Payment Information                            |  |
| Phone Number: 713-780-7047  Fax Number: 713-7807671  Email Address: john7820@agd.com  9. Signature: 12/2/2005  | State: Texas Zip:77263                     |   |  |
| Fax Number: 713-7807671  Email Address: john7820@apt.com  9. Signature: 12/2//2005   | Phone Number: <u>713-780-7047</u>          |   |  |
| 9. Signature: 12/2/2005  | Fax Number: 713-7807671                    |   |  |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  | Email Address: john7820@agd.com            | Authorized User Name                              |  |
| I Cife Antonia   | - Fan / F                                  |   |  |
| Signature    Contact   Con | Kenneth H. Johnson                         | Total number of pages including cover 5           |  |

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, V.A. 22313-1450

## ASSIGNMENT

# INVENTOR or INVENTORS:

| MI              | CHAEL J. KEENAN  | STEVEN E. SILVERBERG   |
|-----------------|--|--|
| promise of payr | n of One Dollar (\$1.00) and other go<br>nent which is hereby acknowledged, the<br>IGNED, hereby agree(s) as follows:  | ood and valuable consideration, the receipt of and/or<br>the undersigned person(s) named above, herein referred  |
| 1)              | Delaware, its successors, legal repressions as ASSIGNEE, the entire right, title countries, in and to UNDERSIGN  | o ExxonMobil Chemical Patents Inc., a corporation of esentatives and assigns, herein referred to collectively le and interest, for the United States and all foreign VED'S invention or improvement and to all patent me which is described in a patent application entitled   |
| 1               | PROCESS FOR REMOVING NAP   | PHTHALENE FROM ALKYLAROMATICS  |
| and be          | plication having been executed on the ing further identified as USSN 11/0 created by said application under pro-   | day(s) of 2005 10,990 and Case No. 2004B173; and all rights of ovisions of international conventions or treaties.  |
| 2)              | applications for and documents relation said invention or improvement substitutes therefor or registrations of the above required for recording  | the request of ASSIGNEE to execute any and all ating to obtaining patents and the prosecution thereont, and any continuations of such applications of thereof, and any specific separate assignments of any in the United States Patent and Trademark Office and NEE may deem necessary or expedient.  |
| 3)              | invention or improvement, or patent<br>reissue thereof, becoming involved in<br>will cooperate with ASSIGNEE to the  | the event of any application based on said assigned issued thereon, or any reissue or application for the priority of invention proceedings, UNDERSIGNED he best of the ability of UNDERSIGNED in the matter ments and giving and producing evidence in support  |
| 4)              | acts to obtain United States and for<br>and to vest all rights therein hereby of   | m upon ASSIGNEE's request any and all affirmative reign patents covering said invention or improvement conveyed to ASSIGNEE, as fully and as entirely as the oyed by UNDERSIGNED if this assignment and sale   |
| 5)              |  | s) ASSIGNEE's attorney to insert at paragraph 1, in h UNDERSIGNED executed the Declaration for the   |
| 4)              | undersign patent office that ASSIGUNDERSIGNED agree(s) that in invention or improvement, or patent reissue thereof, becoming involved it will cooperate with ASSIGNEE to the of preparing and executing all documentereof.  UNDERSIGNED agree(s) to perform acts to obtain United States and for and to vest all rights therein hereby come would have been held and enjoyed and not been made.  UNDERSIGNED hereby authorize(this instrument the date(s) on which | the event of any application based on said assigned issued thereon, or any reissue or application for the priority of invention proceedings, UNDERSIGNED in best of the ability of UNDERSIGNED in the matter ments and giving and producing evidence in support mupon ASSIGNEE's request any and all affirmative reign patents covering said invention or improvement conveyed to ASSIGNEE, as fully and as entirely as the oyed by UNDERSIGNED if this assignment and sale is a ASSIGNEE's attorney to insert at paragraph 1, in the UNDERSIGNED executed the Declaration for the |

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED'S NAME.

DATE

Witness

Witness

DATE

4/19/05

Witness

STEVEN E. SILVERBERG

#### **ASSIGNMENT**

#### **INVENTOR or INVENTORS:**

### MICHAEL J. KEENAN STEVEN E. SILVERBERG

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of and/or promise of payment which is hereby acknowledged, the undersigned person(s) named above, herein referred to as UNDERSIGNED, hereby agree(s) as follows:

1) UNDERSIGNED hereby assign(s) to ExxonMobil Chemical Patents Inc., a corporation of Delaware, its successors, legal representatives and assigns, herein referred to collectively as ASSIGNEE, the entire right, title and interest, for the United States and all foreign countries, in and to UNDERSIGNED'S invention or improvement and to all patent applications and patents covering same which is described in a patent application entitled

### PROCESS FOR REMOVING NAPHTHALENE FROM ALKYLAROMATICS

said application having been executed on the day(s) of 2005, and being further identified as USSN 11/010,990 and Case No. 2004B173; and all rights of priority created by said application under provisions of international conventions or treaties.

- 2) UNDERSIGNED agree(s) upon the request of ASSIGNEE to execute any and all applications for and documents relating to obtaining patents and the prosecution thereof for said invention or improvement, and any continuations of such applications or substitutes therefor or registrations thereof, and any specific separate assignments of any of the above required for recording in the United States Patent and Trademark Office and any foreign patent office that ASSIGNEE may deem necessary or expedient.
- UNDERSIGNED agree(s) that in the event of any application based on said assigned invention or improvement, or patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in priority of invention proceedings, UNDERSIGNED will cooperate with ASSIGNEE to the best of the ability of UNDERSIGNED in the matter of preparing and executing all documents and giving and producing evidence in support thereof.
- 4) UNDERSIGNED agree(s) to perform upon ASSIGNEE's request any and all affirmative acts to obtain United States and foreign patents covering said invention or improvement and to vest all rights therein hereby conveyed to ASSIGNEE, as fully and as entirely as the same would have been held and enjoyed by UNDERSIGNED if this assignment and sale had not been made.
- 5) UNDERSIGNED hereby authorize(s) ASSIGNEE's attorney to insert at paragraph 1, in this instrument the date(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application.

1

**DATE** STEVEN E. SILVERBERG

Witness

opposite UNDERSIGNED'S NAME.

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date

**PATENT** REEL: 017401 FRAME: 0477

**RECORDED: 08/08/2005**