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Docket No.: 2003B137/2

| FORM PTO-1595 (Modified) RECORDATION FO | DRM COVER SHEET U.S. DEPARTMENT OF COMMERCE |
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| OAAD NI - 0054 0007 / 5/04 00000 | Patent and Trademark Office |
| Tab settings → → → ▼ | ▼ ▼ ▼ |
| To the Director of the United States Patent and Trademark Off | fice: Please record the attached original documents or copy thereof. |
| 1. Name of conveying party(ies): Stephen Wayne Beadle - 10/27/06 - Arie Van Vliet - 10/23/06 Ronald Dean Garton - 10/26/06 - John J. Houben - 10/20/06 Hubertus Joseph Beckers - 10/20/06 Raphael Frans Caers - 10/25/06 | Name and address of receiving party(ies): Name: ExxonMobil Chemical Patents Inc. Address: 13501 Katy Freeway |
| Additional names(s) of conveying party(ies) | _F19ad 458/11a |
| 3. Nature of conveyance: ☑ Assignment ☐ Merger | |
| ☐ Security Agreement ☐ Change of Name | City: Houston State/Prov.: Texas |
| ☐ Other | Country: USA ZIP: 77079 |
| Execution Date: October 20, 23, 25, 26 & 27, 2006 | _ |
| | Additional name(s) & address(es) |
| 4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, to Patent Application No. Filing date 10/582,756 June 13, 2006 | the execution date of the application is: B. Patent No.(s) |
| Additional numbers | ☐ Yes ⊠ No |
| Name and address of party to whom correspondence concerning document should be mailed: | 6. Total number of applications and patents involved: |
| Name: Andrew B. Griffis | 7. Total fee (37 CFR 3.41):\$ 40.00 |
| Registration No. 36,336 | ☐ Enclosed - Any excess or insufficiency should be |
| Address: ExxonMobil Chemical Company | credited or debited to deposit account |
| Law Technology | Authorized to be charged to deposit account |
| P.O. Box 2149 | 8. Deposit account number: |
| City: Baytown State/Prov.: Texas | 05-1712 |
| Country: <u>USA</u> ZIP: <u>77522-2149</u> | (Attach duplicate copy of this page if paying by deposit account) |
| | USE THIS SPACE |
| of the original document. | pation is true and correct and any attached copy is a true copy |
| Andrew B. Griffis | October 30, 2006 |
| Name of Person Signing Total number of pages including say | gnature Zer sheet, attachments, and document: 14 Date |

<u>ASSIGNMENT</u>

INVENTOR or INVENTORS:

| Stephen Wayne Beadle | Raphael Frans Caers | |
|-------------------------|---------------------|--|
| Ronald Dean Garton | Arie Van Vliet | |
| Hubertus Joseph Beckers | John J. Houben | |

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:

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:

- 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.
- 3) 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.

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| UNDERSIGNED on the date | nt has been executed by | HEREOF, this assignm SIGNED'S NAME. | N WITNESS WI | II O |
|---------------------------------------|-------------------------|--|--------------|---------|
| Stephen Wayne Beadle | Stew K | ober 2006 | 27 Octo | DATE |
| | Witness | Amfu | | |
| Ronald Dean Garton | | <u></u> | | DATE |
| | Witness | <u> </u> | | |
| Hubertus Joseph Beckers | | | | DATE |
| | Witness | | | PATT |
| Raphael Frans Caers | | | | DATE |
| , , , , , , , , , , , , , , , , , , , | Witness | | | DATE |
| Arie Van Vliet | Witness | | | |
| John J. Houben | | · · · · · · · · · · · · · · · · · · · | | DATE |
| John J. Mouden | Witness | | | |
| • | | | | |

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ASSIGNMENT

INVENTOR or INVENTORS:

| Stephen Waync Beadle | Raphael Frans Caers | |
|-------------------------|---------------------|--|
| Ronald Dean Garton | Arie Van Vliet | |
| Hubertus Joseph Beckers | John J. Houben | |

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UNDERSIGNED hereby assign(s) to ExxonMobil Chemical Patents Inc., a 1) 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:

"Improvements in or Relating to Hydroformylation", 427 said application having been executed on the 20, 20, 427 day(s) of October 2006, and being further identified as USSN 10/582,756 or Case No. 2003B137/2; and all rights of priority created by said application under provisions of international conventions or treaties.

- UNDERSIGNED agree(s) upon the request of ASSIGNEE to execute any and all 2) 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 3) 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.

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

| DATE | | | |
|--------|-------------|---------|---------------------------|
| · | | | Stephen Wayne Beadle |
| DATE _ | 10-26-06 | Witness | Harten Ronald Dean Garton |
| | | Witness | Abhala Dean Garlon |
| DATE _ | | | Hubertus Joseph Beckers |
| | <u></u> | Witness | |
| DATE _ | | | Raphael Frans Caers |
| | | Witness | |
| DATE _ | | | Arie Van Vliet |
| | | Witness | |
| DATE | | | John J. Houben |
| | | Witness | |

ASSIGNMENT |

INVENTOR or INVENTORS:

| Stephen Wayne Beadle | Raphael Frans Caers | |
|-------------------------|---------------------|--|
| Ronald Dean Garton | Arie Van Vliet | |
| Hubertus Joseph Beckers | John J. Houben | |

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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:

"Improvements in or Relating to Hydroformylation"
said application having been executed on the 12 day(s) of October 2006, and being further identified as USSN 10/582,756 or Case No. 2003B137/2; 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.
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IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date

opposite UNDERSIGNED'S NAME. Stephen Wayne Readle Witness DATE Ronald Deun Garton Witness Hubertus Joseph Beckers DATE _____ Raphael Frans Coers Witness DATE Arie Van Vliet Witness DATE _____ John J. Houben

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<u>ASSIGNMEN</u>T

INVENTOR or INVENTORS:

| Stephen Wayne Beadle | Raphael Frans Caers | |
|-------------------------|---------------------|--|
| Ronald Dean Garton | Arie Van Vliet | |
| Hubertus Joseph Beckers | John J. Houben | |

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1 of 2

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

| DATE | , | | |
|--------|-------------------|-----------|-----------------------|
| _ | | <u> </u> | tephen Wayne Beadle |
| | | Witness | |
| DATE _ | · · · · · | | handto di |
| | | | Ronald Dean Garton |
| | | Witness | |
| DATE _ | | | t |
| | | es u | bertus Joseph Beckers |
| | | Witness | |
| DATE _ | 25 OCTOBER 2006 | _ (Jan | Raphael Frans Caers |
| | A.D.W. VELDHUIZEN | HOWERDERS | LSOA 2006 |
| | | Witness | 0 |
| DATE _ | | | Arie Van Vliet |
| | | | 22770 7 444 |
| | | Witness | ············· |
| DATE _ | | | John J. Houben |
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| | | Witness | |

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ASSIGNMENT

INVENTOR or INVENTORS:

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|--|----------------|
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J Lewis Fax +1281 834 2495

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

| DATE | · · · · · · · · · · · · · · · · · · · | | |
|------|---------------------------------------|----------|-------------------------|
| | | | Stephen Wayne Beadle |
| | - | Witness | |
| DATE | | | |
| | | | Ronald Dean Garton |
| | | Witness | |
| DATE | | | |
| | • | | Hubertus Joseph Beckers |
| | | Witness | |
| DATE | | | |
| | | | Raphael Frans Caers |
| | | Witness | |
| DATE | 23 October 2006 | Mus | |
| | E. VAN DRIE SSCHE | | Arie Van Vliet |
| | | Williams | <u> </u> |
| DATE | | | |
| | | | John J. Houben |
| | | Witness | |

2 of 2

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ASSIGNMENT

INVENTOR or INVENTORS:

| Stephen Wayne Beadle | Raphael Frans Caers | |
|-------------------------|---------------------|--|
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| DATE | | | |
|------|------------|-------------|--------------------|
| , | | Step | hen Wayne Beadle |
| | | Witness | _ |
| DATE | | Ra | nald Dean Garton |
| | | Witness | |
| DATE | | | |
| | <u></u> | | tus Joseph Beckers |
| | | Witness | |
| DATE | | Ra | phael Frans Caers |
| | <u></u> | Witness | _ |
| DATE | | | Arie Van Vliet |
| | | Witness | _ |
| DATE | 10/20/2006 | Mong | |
| | | P.E. Coster | John J. Houben |
| | | Witness | |

2 of 2

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PATENT REEL: 018459 FRAME: 0072

RECORDED: 10/30/2006