FORM PTO-1595 Rev. 08/28/92

04-04-2002



U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

| <u>102042696</u> | | | | | | |
|---|---|--|--|--|--|--|
| Assistant Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof. | | | | | | |
| Name of conveying party(ies): David E. Laycock Kendra L. Flagler | 2. Name and address of receiving party(ies): DOW CHEMICAL CANADA INC. 250 – 6 Avenue S.W., Suite 2200 Calgary, Alberta Canada T2P 3Hu Additional name(s) & address(es) are attached. | | | | | |
| Additional name(s) of conveying party(ies) is attached. | Additional name(s) & address(es) are attached. | | | | | |
| <u>_</u> | ☐ Merger ☐ Change of Name Effective as of May 19, 2000 application, the execution date of the application is: er(s) or Patent Number(s) are attached. | | | | | |
| | | | | | | |
| Name and address of party to whom correspondence concerning document should be mailed: | Total number of applications and patents involved: I | | | | | |
| Graham E. Taylor The Dow Chemical Company Intellectual Property P. O. Box 1967 Midland, Michigan 48641-1967 | 7. Total fee (37 CFR 3.41) \$40.00 ☐ Enclosed ☐ Please deduct the above fee from our Deposit Account 8. Deposit Account 04-1512. If this estimate is | | | | | |
| United States of America | incorrect, please debit or credit our account accordingly. | | | | | |
| -0.5° 04 <u>DO NOT U</u> | SE THIS SPACE | | | | | |

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.

Dated: March 6, 2002

Crystal S. Honaman Office Professional (989) 636-1954

60,053 US

Total number of pages including attachments: $\underline{6}$

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/Date

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/Date

FORM 110 (R 5/97)

Subscribe

Docket Ref. 60053

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION (WITH PRIORITY RIGHTS)

I/we verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is embraced by and for which a patent is sought on the invention entitled:

COMPLEXING AGENT-MODIFIED HEXACYANOMETALLATE HEXANITROMETALLATE CATALYSTS which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers. As trustee(s), and for good and valuable

> DOW CHEMICAL CANADA INC. 250 - 6 Avenue S.W., Suite 2200 Calgary, Alberta CANADA T2P 3Hu

consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto:

a corporation organized and existing under the laws of CANADA

(hereinafter referred to as the "Assignce");

my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or

| nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the | | | | | | |
|---|--|--|--|--|--|--|
| Application No. 09/574,925 Filing | Data Mary 19, 2000 | | | | | |
| in country the United States of America | Dute 1141 173 2000 | | | | | |
| of the application, on which the claim for priority will be based; a | and in and to any Letters Patent that may be issued for the | | | | | |
| invention in any and all countries. I/we do hereby agree to assist | Assignee in the prosecution of the application(s) and in any | | | | | |
| invention in any and all countries. I/we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to | | | | | | |
| execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above | | | | | | |
| identified application as Assignee may request; and I/we do hereb | y authorize Assignee or its designee (or nominee(s)) to <u>insert here</u> | | | | | |
| any corresponding equivalent | | | | | | |
| Application NoFiling D | ate | | | | | |
| in country | | | | | | |
| to the above Priority application of any country where that coun | try's patent property must be identified and entered hereinabove | | | | | |
| for recordal of this Assignment. I/we authorize Assignee or its de | esignee to translate this Assignment into all languages necessary; | | | | | |
| and we request that any such Letters Patent be issued to Assignee | ; and consent to the recordal of this Assignment, or a Notarial True | | | | | |
| Copy thereof, being under covenant not only that I/we have full po | | | | | | |
| encumbered by any grant, license, or other right heretofore given. | | | | | | |
| d and Declared by me/us: | | | | | | |
| and Declared by like us. | | | | | | |
| At: Sama Ontario | At: Mississauna Ortario Canada | | | | | |
| this 711 day of Sastemba, 2000 | this 5th day of Sotember , 20 00 | | | | | |
| Effective May 19, 2000 | Effective May 19, 2000 | | | | | |
| Effective May 12, 2000 | | | | | | |
| Signature: Tayund Cayun | Signature: Kendra Hay | | | | | |
| Full Name: David E. Laycock | Full Name: Kendra L. Flagler | | | | | |
| Residence: 335 Blanche Street, SARNIA | Residence: 121 Wychwood | | | | | |
| Ontario, Canada N7T 6N6 | Fenelon Falls, Canada K0M 1N0 | | | | | |
| Country: Canada | Country: Canada | | | | | |
| Citizenship: Canada | Citizenship: Canada | | | | | |
| P. O. Address: Same as Residence | P. O. Address: Same as Residence | | | | | |
| Employed By: Dow Chemical Canada Inc. | Employed By: Dow Chemical Canada Inc. | | | | | |
| Of Country: Canada | Of Country: Canada | | | | | |
| or country. | or country. Canada | | | | | |
| [A+. | Α4. | | | | | |
| At: this day of, 20 | At: this day of, 20 | | | | | |
| this day of, 20 | tills, 20, | | | | | |
| | | | | | | |
| Signatura | Signatura: | | | | | |
| Signature:Full Name: | Signature:Full Name: | | | | | |
| Residence: | Residence: | | | | | |
| Residence. | Residence. | | | | | |
| Country: | Country: | | | | | |
| Citizenship: | Citizenship: | | | | | |
| P. O. Address: Same as Residence | P. O. Address: Same as Residence | | | | | |
| Employed By: | Employed By: | | | | | |
| Of Country: | Of Country: | | | | | |
| or country. | or country. | | | | | |

^() Additional names and signatures are attached.

This Form 881 is in the ENGLISH language and has the same meaning in other languages with the same 881 number.

FORM 881

Dow Case No. 60053

SUBSCRIBING WITNESS AFFIDAVIT OF EXECUTION OF AN ASSIGNMENT

I. WILLIAM RIDLEY

| Whose full post office address is: |
|---|
| 5389 RWERSIDE DR. |
| BURLINGTON, ON |
| 47C 341 |
| Make oath and say that I was personally present and did see |

Kendra L. Flagler

Who is/are personally known or identified to me to be the inventor(s) named in the attached assignment, duly sign and execute the same for the purposes therein stated.

| Signed at | : <u>///</u> | 155/55 | AUGA | , Ch | |
|-----------|--------------|------------|--------|------|------|
| On this _ | 6 | _ day of _ | SEPTEN | BER | , 20 |
| | | | | | |

Subscribing Witness

08/90

FORM 881

Dow Case No. 60053

SUBSCRIBING WITNESS AFFIDAVIT OF EXECUTION OF AN ASSIGNMENT

| I, Dale G Hunter |
|---|
| Whose full post office address is: 1071 Brimwood Crescent Sarnia, Ontario, CANADA N75 569 Make oath and say that I was personally present and did see: |
| David E. Laylock |
| Who is/are personally known or identified to me to be the inventor(s) named in the attached assignment, duly sign and execute the same for the purposes therein stated. |
| Signed at: Samia Out. |
| On this 7th day of System ben, 20,00 |
| Subscribing Witness |

08/90

PATENT REEL: 012740 FRAME: 0125 This Assignee Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 660 number. FORM 660

ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE:

DOW CHEMICAL CANADA INC. 250 - 6 Avenue S.W., Suite 2200

Calgary, Alberta CANADA T2P 3Hu

hereby accept the ASSIGNMENT attached hereto which is dated: September 5, 2000 and September 7,2000

From, the ASSIGNOR: David E. Laycock, 335 Blanche Street, Sarnia, Ontario, Canada N7T 6N6, Canada; Kendra L. Flagler, 121 Wychwood, Fenelon Falls, Canada K0M 1N0, Canada

of the invention entitled:

| COMPLEXING AGENT-MODIFIED HEXACYANOMETALLATE HEXANITROMETALLATE CATALYSTS |
|--|
| without any restrictions and with all rights and obligations deriving therefrom and declare that this confirmation of acceptance shall be deemed a part of the said ASSIGNMENT. |
| Signed at Midland, Michigan 48674, U.S.A. this // day of |
| DOW CHEMICAL CANADA INC. |
| CORP. SEAL By: |
| GRAHAM E. TAYLOR Associate General Counsel, Intellectual Property, THE DOW CHEMICAL COMPANY, authorized to act for and on behalf of DOW CHEMICAL CANADA INC. |
| NOTARIAL CERTIFICATE (Corporation) |
| UNITED STATES OF AMERICA) STATE OF Michigan) SS County/Parish of Midland) On this |
| known or identified to me to be the individual described in and who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed by authority of the said Corporation incorporated under the laws of CANADA. |
| I further certify that said authority, dated September 23, 1999, is based on |
| A Power of Attorney |
| which I have seen, appointing the said individual Attorney-in-fact with full power to sign the foregoing document on behalf of the said corporation and that the purposes for which said document is granted are within the scope of the objects or activities of said corporation. |
| SEAL Notary Public |
| ANN HERITIER NOTARY PUBLIC, BAY COUNTY, MICHIGAN ACTING IN MICH AND COUNTY, MICHIGAN 2022 |

MY COMMISSION EXPONED DELEMBER 6, 2002

TRUE COPY

TO ALL TO WHOM THESE PRESENTS SHALL COME,

I Do Hereby Certify that the annexed document(s) are TRUE COPIES of the original document(s) which I have compared.

| aı <u>ıv</u> | <u>lidiand, Mici</u> | <u> 11gan 48674,</u> | USA |
|---|----------------------|-----------------------|---|
| this 6th | day of _ | March | 2002 |
| | | THE | Crystal S. Honaman Office Professional DOW CHEMICAL COMPANY |
| | <u>NO</u> 1 | TARIAL C | CERTIFICATE |
| UNITED STAT STATE OF MIC County/Parish | CHIGAN | RICA)) SS) | |
| On this <u>6th</u> appeared befor | re me, | March al S. Honama | <u> </u> |
| | | | dual who executed the foregoing documen at and deed for uses and purposes therein |
| (COUSEAL | | ī | Notary Public Carolyn A. Gray Notary Public, Midland County, Michigan My Commission Expires April 20, 2005 |

RECORDED: 03/13/2002

PATENT REEL: 012740 FRAME: 0127