08/02/2011



U.S. PTO 13/136127 07/22/2011

U.S. DEPARTMENT OF COMMERCE

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| To the Director of the U.S. Patent and Trademark Office: Please | se record the attached documents or the new address(es) below. | | |
| 1. Name of conveying partý(ies) | 2. Name and address of receiving party(ies) | | |
| | Name: NOVA Chemicals (International) S.A. | | |
| YVES LACOMBE, VICTORIA KER, PETER PHUNG MINH HOANG and PATRICK EVANSI | Internal Address: | | |
| | | | |
| Additional name(s) of conveying party(ies) attached? Yes X No | | | |
| 3. Nature of conveyance/Execution Date(s): | Street Address: Avenue de la Gare 14 | | |
| Execution Date(s) JUNE 21, 20, 20, 20, 2011, RESPECTIVELY | | | |
| Assignment Merger | City: 1700 Fribourg | | |
| Security Agreement Change of Name | City. 1700 Priboding | | |
| Joint Research Agreement | State: | | |
| Government Interest Assignment | Country: Switzerland Zip: | | |
| Executive Order 9424, Confirmatory License | Country. Switzerland | | |
| Other | Additional name(s) & address(es) attached? Yes X No | | |
| 4. Application or patent number(s): | document is being filed together with a new application. | | |
| A. Patent Application No.(s) | B. Patent No.(s) | | |
| 13/136127 Additional numbers at | tached? Yes No | | |
| 5. Name and address to whom correspondence concerning document should be mailed: | 6. Total number of applications and patents involved: | | |
| Name: Kenneth H Johnson | 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 | | |
| Internal Address: | 7. Total rec (57 CFR 1.21(II) & 5.41) 49000 | | |
| | Authorized to be charged to deposit account | | |
| Stroot Addross on a coord | X Enclosed | | |
| Street Address: P. O. Box 630708 | None required (government interest not affecting title) | | |
| Cibr Vaurtee | 8. Payment Information | | |
| City: Houston | | | |
| State_Texas Zip:77263 | | | |
| Phone Number: 713 780-7047 | Deposit Account Number | | |
| Fax Number: 713 780-7671 | Authorized User Name | | |
| Email Address: kenneth-h-johnson@sbcglobfl.net | Authorized Oser Marie | | |
| 9. Signature: /// Signature | 07/13/2011 | | |
| KENNETH H JOHNSON Name of Person Signing | Total number of pages including cover sheet, attachments, and documents: | | |

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

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PATENT REEL: 026705 FRAME: 0486

ASSIGNMENT

In consideration of (\$1.00) One Dollar and other good and valuable consideration, the receipt whereof is hereby acknowledged, we,

LACOMBE, Yves, a Canadian citizen, residing at 228 Hidden Spring Green N.W., Calgary, Alberta, Canada, T3A 5N4;

KER, Victoria, a Malaysian citizen, residing at 120 Harvest Hills Dr. N.E., Calgary, Alberta, Canada, T3K 3X4;

HOANG, Peter Phung Minh, a Canadian citizen, residing at 78 Hamptons Heights N.W., Calgary, Alberta, Canada, T3A 5W1; and

EVANS, Patrick Drew, a Canadian citizen, residing at 406-54 Avenue S.W., Calgary, Alberta, Canada, T2V 0C5;

do hereby sell, assign and transfer to NOVA Chemicals (International) S.A., a corporation of Switzerland, having an office at Avenue de la Gare 14, 1700 Fribourg, Switzerland, its successors and assigns, all our right; title and interest in the United States of America in and to our invention entitled:

"METHOD OF CONTROLLING POLYMER ARCHITECTURE"

| ; |
|--|
| for which LACOMBE, Yves executed an application for a United States Patent dated the 2/ day of June., 2011; KER, Victoria executed an application for a United States Patent dated the 20 day of June, 2011; HOANG, Peter Phung Minh executed an application for a United States Patent dated the 20 day of June, 2011; and EVANS, Patrick Drew executed an application for a United States Patent dated the 20 day of June, 2011. |
| We further undertake to execute without further consideration all lawful papers, all divisional, continuing and reissue applications, make all rightful oaths, and generally do everything possible to assist and enable the said NOVA Chemicals (International) S.A. its successors, assigns and nominees, to obtain and enforce proper patent protection for the said invention. |
| This indenture shall be binding upon and enure to the benefit of the heirs, executors, administrators, successors and assigns, respectively, of the parties hereto. |
| SIGNED in the City of Calgary, in the Country of Canada, this 21 day of |
| AFFIDAVIT OF EXECUTION I, Mover and whose full post office address is c/o NOVA Chemicals Corporation, 2928 - 16 Street NE, Calgary, Alberta, Canada, T2E 7K7 |
| MAKE OATH AND SAY: |
| That I was personally present and did see Yves Lacombe who is personally known to me to be the person named in this assignment duly sign and execute the same. |
| SWORN before me at the City of Calgary, in the Country of Canada, this 21 day of June 2011 A Notary Public in and for the Province of Alberta |

PATENT REEL: 026705 FRAME: 0487

AFFIDAVIT OF EXECUTION

whose full post office address is c/o NOVA Chemicals Corporation, Calgary, Alberta, Canada, T2E 7K7

MAKE OATH AND SAY:

That I was personally present and did see Peter Phung Minh Hoang who is personally known to me to be the person named in this assignment duly sign and execute the same.

SWORN before me at the City Of Calgary, in the Country of Canada, this 2

A Notary Public in and for the Province of Alberta

| SIGNED in the City of Calgary, in | the Country of C | anada, thisday of | June | 2011. ् |
|---|---------------------------------------|------------------------------------|-------------|--------------|
| witness: fam due dan | d | | - | |
| | | Patrick Drew | Evans | |
| 1 | AFFIDAVIT O | F EXECUTION | | |
| I, Kim Over land 2928 - 16 Street NE, Calgary, All | whose full post o berta, Canada, T | ffice address is c/o NOV 2E 7K7 | A Chemicals | Corporation, |
| MAKE OATH AND SAY: | • | | | |
| That I was personally present an be the person named in this assi | | • | • | n to me to |
| SWORN before me at the City Of Calgary, in the Country of Canada, this 21 day of June 2011 A Notary Public In and for the Province of Alberta |))) } | d'imove | Land. | |
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PATENT REEL: 026705 FRAME: 0489

RECORDED: 07/22/2011