

03/27/2012



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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)

Patrick Lam, Victoria Ker, Charles Ashton Garret Carter, Benjamin Milton Shaw, Cliff Robert Baar, Alexei Kazakov, Ian Douglas Mckay and Dusan Jeremic

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

2. Name and address of receiving party(ies)

Name: NOVA Chemicals (International) S.A.

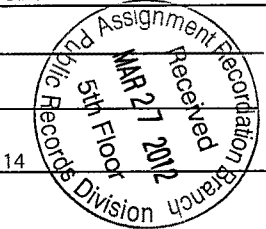
Internal Address: _____

Street Address: Avenue de la Gare 14

City: 1700 Fribourg

State: _____

Country: Switzerland



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

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

Execution Date(s) March 7, 7, 8, 7, 9, 8, 10, 10, 2011, *respectively*

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

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

13/405,487

Additional numbers attached? Yes No

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

Zip: 77263

Phone Number: 713 780-7047

Fax Number: 713 780-7671

Email Address: kenneth-h-johnson@sbcglobal.net

6. Total number of applications and patents involved: _____

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

- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

Deposit Account Number _____

Authorized User Name _____

9. Signature:

Kenneth H Johnson
Signature

KENNETH H JOHNSON
Name of Person Signing

03/27/2012 DT 03/27/2012
01 FC:0021 Date 40.00 OP

Total number of pages including cover sheet, attachments, and documents: 10

NOTARIAL CERTIFICATE

CANADA)
PROVINCE OF ALBERTA)


I, Trevor Trott, a Notary Public in and for the Province of Alberta, Canada,

CERTIFY THAT:

The attached document is a true copy of the World Wide Assignment executed by the inventors Patrick Lam, Victoria Ker, Charles Ashton Garret Carter, Benjamin Milton Shaw, Cliff Robert Baar, Alexei Kazakov, Ian Douglas McKay, and Dusan Jeremic, to NOVA Chemicals (International) S.A. for an invention entitled:

"Polyethylene Film"

IN TESTIMONY WHEREOF, I have subscribed my name and affixed my seal of office at the City of Calgary, in the Province of Alberta, Canada, this 7 day of February, 2012.



Trevor Trott
Notary Public in and for the
Province of Alberta

WORLD WIDE ASSIGNMENT

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

LAM, Patrick, a Canadian citizen, residing at 186 Edgeview Drive N.W., Calgary, Alberta, Canada, T3A 4X4;

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

CARTER, Charles Ashton Garret, a Canadian citizen residing at 142 Hidden Creek Road N.W., Calgary, Alberta, Canada, T3A 6L7;

SHAW, Benjamin Milton, a Canadian citizen residing at 8 Quentin Place S.W., Calgary, Alberta, Canada, T2T 6C5;

BAAR, Cliff Robert, a Canadian citizen residing at 7 Royal Oak Green N.W., Calgary, Alberta, Canada, T3G 5L9;

KAZAKOV, Alexei, a Canadian citizen residing at 303 Woodhaven Bay S.W., Calgary, Alberta, Canada, T2W 5S2;

MCKAY, Ian Douglas, a Canadian citizen residing at 96 Castleglen Road N.E., Calgary, Alberta, Canada, T3J 1T1; and

JEREMIC, Dusan, a Canadian citizen residing at Aubergstrasse 8, 4040 Linz, Austria;

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 and to our invention entitled:

"POLYETHYLENE FILM"

in Canada and in all other countries of the world.

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 Province of Alberta, this 7 day of March, 2011.

WITNESS:

Marian Hanson

Patrick Lam
Patrick Lam

AFFIDAVIT OF EXECUTION

I, Marian Hanson, 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 **Patrick Lam** 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 Province of Alberta, this 10th day of March, 2011

Marian Hanson

Carolyn Hoff

A Notary Public in and for the Province of Alberta

CAROLYN ANN HOFF 2011

My Appointment Expires December 31, 2011
SIGNED in the City of Calgary, in the Province of Alberta, this 7 day of March, 2011.

WITNESS:

Marian Hanson

Victoria Ker
Victoria Ker

AFFIDAVIT OF EXECUTION

I, Marian Hanson, whose full post office address is c/o NOVA Chemicals Corporation, 2928 - 16 Street NE, Calgary, Alberta, Canada, T2E 7K7

MAKE OATH AND SAY:

SWORN before me at the City of Calgary, in the Province of Alberta, this 10th day of March, 2011

Marian Hanson

Carolyn Hoff
A Notary Public in and for the Province of Alberta

CAROLYN ANN HOFF

My Appointment Expires December 31, 2011

SIGNED in the City of Calgary, in the Province of Alberta, this 8 day of March, 2011.

WITNESS:

Marian Hanson

Charles Ashton Garret Carter
Charles Ashton Garret Carter

AFFIDAVIT OF EXECUTION

I, Marian Hanson, 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 **Charles Ashton Garret Carter** who is personally known to me to be the person named in the attached assignment duly sign and execute the same.

SWORN before me at the City)
of Calgary, in the Province)
of Alberta, this 10th day of)
March, 2011)

Marian Hanson

Carolyn Hoff
A Notary Public in and for the
Province of Alberta
CAROLYN ANN HOFF
My Appointment Expires December 31, 2011

SIGNED in the City of Calgary, in the Province of Alberta, this 7 day of March, 2011.

WITNESS:

Marian Hanson

Benjamin Milton Shaw
Benjamin Milton Shaw

AFFIDAVIT OF EXECUTION

I, Marian Hanson, 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 **Benjamin Milton Shaw** who is personally known to me to be the person named in the attached assignment duly sign and execute the same.

SWORN before me at the City)
of Calgary, in the Province)
of Alberta, this 10th day of)
March, 2011)

Marian Hanson

Carolyn Hoff
A Notary Public in and for the
Province of Alberta
CAROLYN ANN HOFF
My Appointment Expires December 31, 2011

SIGNED in the City of Calgary, in the Province of Alberta, this 9 day of March, 2011.

WITNESS:

Marian Hanson

Cliff Robert Baar
Cliff Robert Baar

AFFIDAVIT OF EXECUTION

I, Marian Hanson, 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 **Cliff Robert Baar** 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 Province)
of Alberta, this 10th day of)
March, 2011)

Marian Hanson

Carolyn Hoff
A Notary Public in and for the
Province of Alberta
CAROLYN ANN HOFF
My Appointment Expires December 31, 2011

SIGNED in the City of Calgary, in the Province of Alberta, this 8 day of March, 2011.

WITNESS:

Marian Hanson

Alexei Kazakov
Alexei Kazakov

AFFIDAVIT OF EXECUTION

I, Marian Hanson, 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 **Alexei Kazakov** who is personally known to me to be the person named in the attached assignment duly sign and execute the same.

SWORN before me at the City)
of Calgary, in the Province)
of Alberta, this 10th day of)
March, 2011)

Marian Hanson

Carolyn Hoff
A Notary Public in and for the
Province of Alberta
CAROLYN ANN HOFF
My Appointment Expires December 31, 2011

SIGNED in the City of Calgary, in the Province of Alberta, this 10 day of March, 2011.

WITNESS:

Marian Hanson

Ian Douglas McKay
Ian Douglas McKay

AFFIDAVIT OF EXECUTION

I, Marian Hanson, 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 **Ian Douglas McKay** who is personally known to me to be the person named in the attached assignment duly sign and execute the same.

SWORN before me at the City)
of Calgary, in the Province)
of Alberta, this 10th day of)
March, 2011)

Marian Hanson

Carolyn Ann Hoff
A Notary Public in and for the Province of Alberta

CAROLYN ANN HOFF
My Appointment Expires December 31, 2011

SIGNED in the City of Linz, in the Country of Austria, this ___ day of _____, 2011.

WITNESS:

Dusan Jeremic

AFFIDAVIT OF EXECUTION

I, _____, whose full post office address is _____

MAKE OATH AND SAY:

That I was personally present and did see **Dusan Jeremic** who is personally known to me to be the person named in the attached assignment duly sign and execute the same.

SWORN before me at the City)
of _____, in the Country)
of _____, this ___ day of)
_____, 2011)

A Notary Public

Gebühr in Höhe von € 13,20
gem. § 14 TP 13 GebG 1957 idF
BGBl. II 128/2007 entrichtet.

B.R.ZL.: 384/11

Ich bestätige die Echtheit der Unterschrift des Herrn Dusan JERIC, geboren am 30.11.1960
(dreißigster November neunzehnhundertsechzig), Chemiker, Aubergstraße 8, A-4040 Linz, ----
Linz, am 10.3.2011 (zehnter März zweitausendelf), -----



H. Barth
Dr. Hermann Barth
öffentlicher Notar

SIGNED in the City of Calgary, in the Province of Alberta, this ___ day of March, 2011.

WITNESS:

Ian Douglas McKay

AFFIDAVIT OF EXECUTION

I, _____, whose full post office address is c/o NOVA Chemicals Corporation, 2928 - 16 Street NE, Calgary, Alberta, Canada, T2E 7K7

MAKE OATH AND SAY:

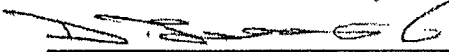
That I was personally present and did see **Ian Douglas McKay** who is personally known to me to be the person named in the attached assignment duly sign and execute the same.

SWORN before me at the City)
of Calgary, in the Province)
of Alberta, this ___ day of)
March, 2011)

A Notary Public in and for the
Province of Alberta

SIGNED in the City of Linz, in the Country of Austria, this ___ day of _____, 2011.

WITNESS:

30.11.1960 Linz, 10. MRZ 2011


Dusan Jeremic

AFFIDAVIT OF EXECUTION

I, _____, whose full post office address is _____

MAKE OATH AND SAY:

That I was personally present and did see **Dusan Jeremic** who is personally known to me to be the person named in the attached assignment duly sign and execute the same.

SWORN before me at the City)
of _____, in the Country)
of _____, this ___ day of)
_____, 2011)

A Notary Public

