

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | |
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| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Bernard TREMBLAY</td> <td>09/01/2006</td> </tr> <tr> <td>Haibo HUANG</td> <td>09/07/2006</td> </tr> <tr> <td>Ron SAWATSKY</td> <td>09/11/2006</td> </tr> <tr> <td>Douglas A. LILLICO</td> <td>09/18/2006</td> </tr> <tr> <td>Zhihong ZHOU</td> <td>09/07/2006</td> </tr> </tbody> </table> | | Name | Execution Date | Bernard TREMBLAY | 09/01/2006 | Haibo HUANG | 09/07/2006 | Ron SAWATSKY | 09/11/2006 | Douglas A. LILLICO | 09/18/2006 | Zhihong ZHOU | 09/07/2006 |
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| Zhihong ZHOU | 09/07/2006 | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | |
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| State/Country: | CANADA | | | | | | | | | | | | |
| Postal Code: | T6N 1E4 | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>CA0501389</td> </tr> </tbody> </table> | | Property Type | Number | PCT Number: | CA0501389 | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | |
| PCT Number: | CA0501389 | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | |
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| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | | | | | |
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| Email: | rodrod@rodman-rodman.com | | | | | | | | | | | | |
| Correspondent Name: | Rodman & Rodman | | | | | | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | RR-653 PCT/US | | | | | | | | | | | | |
| NAME OF SUBMITTER: | Philip Rodman | | | | | | | | | | | | |

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Total Attachments: 10

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This Assignment of Invention effective this 13th day of September, 2005.

ASSIGNMENT OF INVENTION

We, the undersigned:

TREMBLAY, Bernard
1375 Chatwin Crescent
Regina, Saskatchewan
S4N 7N8
Canada


2. **HUANG, Haibo**
6212 – 187B Street
Edmonton, Alberta
T5T 5T3
Canada

3. **SAWATZKY, Ron**
12227 – 42A Avenue
Edmonton, Alberta
T6J 0X5
Canada

4. **LILLICO, Douglas A.**
5403 – 92 Avenue
Edmonton, Alberta
T6B 0S2
Canada

5. **ZHOU, Zhibong (John)**
1385 Falconer Road
Edmonton, Alberta
T6R 2C5
Canada

NOTARIAL COPY
I hereby certify this to be
a true copy of the original


HELEN GARWASNIUK
Barrister & Solicitor
Notary Public for Alberta, Canada

(hereinafter collectively referred to as the "Inventors") have made an invention entitled:

**METHOD FOR CONTROLLING WATER INFLUX
INTO WELLBORES BY BLOCKING HIGH
PERMEABILITY CHANNELS**

as set forth and described in the following Applications for Letters Patent.

- (a) in Canada under serial number 2,519,039, filed on September 13, 2005;
- (b) in an International Application pursuant to the Patent Cooperation Treaty having the serial number PCT/CA2005/001389 and the international filing date of September 13, 2005; and
- (d) in Venezuela under serial number 2005-001870 filed on September 15, 2005;

(hereinafter collectively referred to as the "Invention")

FOR GOOD AND VALUABLE CONSIDERATION, the receipt and sufficiency of which are hereby acknowledged, we do hereby irrevocably assign, grant, sell, convey, transfer and make over unto the following:

ALBERTA SCIENCE AND RESEARCH AUTHORITY
c/o Alberta Research Council Inc.
250 Karl Clark Road
Edmonton, Alberta
T6N 1E4
Canada

our entire right, title and interest in and to the Invention, the Canadian, Patent Cooperation Treaty and Venezuelan Patent Applications noted herein, any other applications for patent for the Invention filed or to be filed in any country worldwide for the Invention or arising from the Canadian, Patent Cooperation Treaty or Venezuelan Patent Applications noted herein, including any and all divisional and continuation applications thereof, and any and all patents issued and which may be issued or re-issued for the Invention in Canada, in Venezuela or in any other countries worldwide, together with the right to claim in respect of any country worldwide, the priority date or dates of any or all such patent applications filed in Canada, in Venezuela, in any other country worldwide or pursuant to the Patent Cooperation Treaty.

This Assignment shall enure to the benefit of and be binding upon the Inventors and Alberta Science and Research Authority and their respective heirs, executors, administrators, successors and assigns.

IN WITNESS WHEREOF I have caused this Assignment to be signed and sealed at Regina, Saskatchewan Canada this 1st day of September, 2006^{MM}

SIGNED, SEALED AND DELIVERED
in the presence of:

Amanda White
(Witness)

Bernard Tremblay
BERNARD TREMBLAY

IN WITNESS WHEREOF I have caused this Assignment to be signed and sealed at Edmonton, Alberta, Canada this 7th day of September, 2006^{MM}

SIGNED, SEALED AND DELIVERED
in the presence of:

[Signature]
(Witness)

H. Huang
HAIBO HUANG

IN WITNESS WHEREOF I have caused this Assignment to be signed and sealed at Edmonton, Alberta, Canada this 11th day of September, 2006^{MM}

SIGNED, SEALED AND DELIVERED
in the presence of:

[Signature]
(Witness)

Ron Sawatzky
RON SAWATZKY

IN WITNESS WHEREOF I have caused this Assignment to be signed and sealed at Edmonton, Alberta, Canada this 18th day of September, 2008.^{6 AM}

SIGNED, SEALED AND DELIVERED in the presence of:

M. Mariucci
(Witness)

[Signature]
DOUGLAS A. LILICO

IN WITNESS WHEREOF I have caused this Assignment to be signed and sealed at Edmonton, Alberta, Canada this 7th day of September, 2008.^{6 AM}

SIGNED, SEALED AND DELIVERED in the presence of:

[Signature]
(Witness)

[Signature]
ZHONG (JOHN) ZHOU

AFFIDAVIT OF EXECUTION

CANADA
PROVINCE OF
TO WIT

I, Amanda White
) of the City of Regina in the Province of
Saskatchewan
) Make oath and say:

1 That I was personally present and did see BERNARD TREMBLAY named in the within instrument, who is personally known to me to be the person named therein, duly sign, seal and execute the same for the purpose named therein

2. That the same was executed at the City of Regina in the Province of Saskatchewan, and that I am the subscribing witness thereto.

3 That I know the said BERNARD TREMBLAY who is in my belief of the full age of eighteen years.

SWORN before me at Regina
in the Province of Sask this 1st
day of Sept A.D. 2006.

[Signature]
A COMMISSIONER FOR OATHS IN AND
FOR THE PROVINCE OF SASKATCHEWAN

[Signature]
Witness

My Commission Expires MAY 31, 2011

AFFIDAVIT OF EXECUTION

CANADA
PROVINCE OF ALBERTA

I, Lisa Spinks
of the City of Edmonton in the Province of
Alberta

TO WIT:) Make oath and say:

1 That I was personally present and did see HAIBO HUANG named in the within instrument, who is personally known to me to be the person named therein, duly sign, seal and execute the same for the purpose named therein.

2. That the same was executed at the City of Edmonton in the Province of Alberta, and that I am the subscribing witness thereto.

3. That I know the said HAIBO HUANG who is in my belief of the full age of eighteen years.

SWORN before me at Edmonton
in the Province of Alberta this 7th
day of September A.D. 2006

A COMMISSIONER FOR OATHS IN AND
FOR THE PROVINCE OF ALBERTA

MARLA MAURICIO

My commissioner for oaths expires
on November 7, 2007.

)
)
)

Witness

AFFIDAVIT OF EXECUTION

CANADA) I, Melissa Gobert
PROVINCE OF ALBERTA) of the City of Edmonton in the Province of
Alberta
TO WIT: Make oath and say:

1 That I was personally present and did see RON SAWATZKY named in the within instrument, who is personally known to me to be the person named therein, duly sign, seal and execute the same for the purpose named therein.

2 That the same was executed at the City of Edmonton in the Province of Alberta, and that I am the subscribing witness thereto.

3 That I know the said RON SAWATZKY who is in my belief of the full age of eighteen years.

SWORN before me at Edmonton
in the Province of Alberta this 11th
day of September A.D. 2006 th

A COMMISSIONER FOR OATHS IN AND
FOR THE PROVINCE OF ALBERTA

MARLA MAURICIO

My commissioner for oaths expires
on November 1, 2007.

)
)
)
)
)
)
)
Melissa Gobert

Witness

AFFIDAVIT OF EXECUTION

CANADA) I, Yvonne Mariacci
PROVINCE OF ALBERTA) of the City of Fort Saskatchewan in the Province of
Alberta
TO WIT Make oath and say:

That I was personally present and did see DOUGLAS A. LILLICO named in the within instrument, who is personally known to me to be the person named therein, duly sign, seal and execute the same for the purpose named therein.

2 That the same was executed at the City of Edmonton in the Province of Alberta, and that I am the subscribing witness thereto.

3 That I know the said DOUGLAS A. LILLICO who is in my belief of the full age of eighteen years.

SWORN before me at Edmonton)
in the Province of Alberta this 18th)
day of September A.D. 2006)

[Signature])
A COMMISSIONER FOR OATHS IN AND)
FOR THE PROVINCE OF ALBERTA)
MARLA MAURICIO

[Signature]
Witness

My commissioner for oaths expires
on November 7, 2007.

AFFIDAVIT OF EXECUTION

CANADA) I, David Crick
PROVINCE OF ALBERTA) of the City of Edmonton in the Province of
Alberta
TO WIT: Make oath and say:

1 That I was personally present and did see ZHIHONG (JOHN) ZHOU named in the within instrument, who is personally known to me to be the person named therein, duly sign, seal and execute the same for the purpose named therein.

2 That the same was executed at the City of Edmonton in the Province of Alberta, and that I am the subscribing witness thereto.


3. That I know the said ZHIHONG (JOHN) ZHOU who is in my belief of the full age of eighteen years.

SWORN before me at Edmonton
in the Province of Alberta this 7th)
day of September A.D. 2006th


_____)

A COMMISSIONER FOR OATHS IN AND
FOR THE PROVINCE OF ALBERTA
MARLA MAURICIO

My commissioner for oaths expires
November 7, 2007.



Witness