

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5181968

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	ERIC HEINZ ALTERMANN	11/22/2007
	GRAEME TREVOR ATTWOOD	11/22/2007
	DONG LI	11/22/2007
	WILLIAM JOHN KELLY	11/22/2007
	ZHANHAO KONG	12/15/2008
	SINEAD CHRISTINE LEAHY	11/22/2007
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	PASTORAL GREENHOUSE GAS RESEARCH LIMITED	
<b>Street Address:</b>	LEVEL 13, 113-119 THE TERRACE	
<b>City:</b>	WELLINGTON	
<b>State/Country:</b>	NEW ZEALAND	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	15082373	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(202)857-6395	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
<b>Phone:</b>	202-857-6000	
<b>Email:</b>	patentdocket@arentfox.com	
<b>Correspondent Name:</b>	ARENT FOX LLP	
<b>Address Line 1:</b>	1717 K STREET, NW	
<b>Address Line 4:</b>	WASHINGTON, D.C. 20006-5344	
<b>ATTORNEY DOCKET NUMBER:</b>	039629.00002	
<b>NAME OF SUBMITTER:</b>	ALEXANDER H. SPIEGLER	
<b>SIGNATURE:</b>	/Alexander H. Spiegler/	
<b>DATE SIGNED:</b>	10/10/2018	
<b>Total Attachments: 27</b>		
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## DEED OF ASSIGNMENT

THIS DEED made effective 22 November 2007

BETWEEN **Eric Altermann**, a German citizen of 26 Akaroa Avenue, Awapuni, Palmerston North, New Zealand, **Graeme Attwood**, a New Zealand citizen of 136 Pohangina Valley East Road, RD 14, Ashhurst, New Zealand, **Sinead Leahy**, an Irish citizen of 1 Moana Street, Hokuwhitu, Palmerston North, New Zealand, **Zhanhao Kong**, a New Zealand citizen of 43-3-501 Liuying Road, Shanghai, China, **William John Kelly**, a New Zealand citizen of 208 Cambridge Avenue, Ashhurst, New Zealand, **Robert Starr Ronimus**, a New Zealand citizen of 468 Stoney Creek Road, RD10, Palmerston North, New Zealand, **Li Dong**, a New Zealand citizen of 29 Kingston Street, Awapuni, Palmerston North, New Zealand (The Assignors)

AND **Pastoral Greenhouse Gas Research Limited**, a New Zealand company of Level 13, 113-119 The Terrace, Wellington, New Zealand (The Assignee)

WHEREAS the Assignors on the commission or by virtue of employment or in return for money or money's worth from the Assignee has designed and developed an invention entitled **Phage pmru Polynucleotides and Polypeptides and Uses Thereof** (the invention) which is the subject of United States Patent Application No. 60/989,840 and pursuant to which has produced or had produced various works relating thereto including but not limited to sketches, drawings, photographs, prototypes, models, description, literary works, formulae, processes and/or technical data (the works)

AND WHEREAS it was or is now agreed between the Assignee and the Assignors that all rights relating to the invention and the works including any invention, copyright or design or rights of a like nature subsisting therein already is or will be pursuant to this assignment the property of the Assignee for all countries of the world.

NOW THIS DEED WITNESSES that in consideration of the commission, employment or return and one dollar New Zealand currency (NZ\$1.00), the receipt and sufficiency whereof the Assignors hereby acknowledge, the Assignors do hereby assign and transfer unto the Assignee any and all rights, title and interest in and to the invention and the works to which the Assignors might otherwise be legally or beneficially entitled for all countries of the world, including any invention or any copyright or design or rights of a like nature in respect of any artistic, literary or other works relating to the invention, together with the right for the Assignee to apply for and obtain patent, design, copyright or other protection in New Zealand and overseas for the invention, for the consideration hereinbefore stated unto and to the use of the Assignee, its successors and assigns absolutely.

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GRB  
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PSR

WJK

W

**PATENT**


**REEL: 047212 FRAME: 0219**

AND FURTHER PROVIDED THAT the Assignors hereby undertake to do any reasonable acts at the request and expense of the Assignee as may be necessary to give effect to the assignment of the said rights and to facilitate the filing, obtaining, maintenance or enforcement of protection for the invention including any patent, design or copyright protection or the like, in the name of the Assignee.

IN WITNESS WHEREOF the Assignors and the Assignee each have executed this deed.

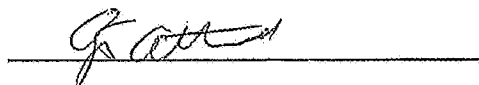
**FOR AND ON BEHALF OF THE ASSIGNORS**

**Eric Altermann**

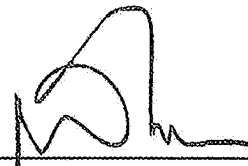



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**Graeme Attwood**




---



Witness

Name (in Capitals)

MARK RUTHERFORD WADHAM  
NOTARY PUBLIC  
192 BROADWAY AVENUE  
PALMERSTON NORTH  
NEW ZEALAND

Address



Witness

Name (in Capitals)

MARK RUTHERFORD WADHAM  
NOTARY PUBLIC  
192 BROADWAY AVENUE  
PALMERSTON NORTH  
NEW ZEALAND

Address

*Handwritten initials*

*Handwritten initials: JK, DL, M&L*

Sinead Leahy

Sinead Leahy

\_\_\_\_\_

Zhanhao Kong

\_\_\_\_\_

\_\_\_\_\_

William John Kelly

WJ Kelly

\_\_\_\_\_

*WJ Kelly*

*WJ Kelly*



Witness

MARK RUTHERFORD WADHAM  
NOTARY PUBLIC  
102 BROADWAY AVENUE  
PALMERSTON NORTH  
NEW ZEALAND

Name (in Capitals)

Address

Witness

Name (in Capitals)

Address



Witness

MARK RUTHERFORD WADHAM  
NOTARY PUBLIC  
102 BROADWAY AVENUE  
PALMERSTON NORTH  
NEW ZEALAND

Name (in Capitals)

Address

Robert Star Ronimus

Robert S. Ronimus

\_\_\_\_\_

Li Dong

Li Dong

\_\_\_\_\_

FOR AND ON BEHALF OF THE ASSIGNEE  
Pastoral Greenhouse Gas Research Limited

Me L L

Authorised Officer

Chairman

Title



Mark Rutherford Wadham

Witness

MARK RUTHERFORD WADHAM  
NOTARY PUBLIC  
192 BROADWAY AVENUE  
PALMERSTON NORTH  
NEW ZEALAND

Name (in Capitals)

Address

Mark Rutherford Wadham

Witness

MARK RUTHERFORD WADHAM  
NOTARY PUBLIC  
192 BROADWAY AVENUE  
PALMERSTON NORTH  
NEW ZEALAND

Name (in Capitals)

Address

G. L. Wadham

Witness

ALAN NICHOLES REARER

Name (in Capitals)

NOTARY PUBLIC

712 PASOP  
NZ BUILDING

Address

6 ADDON PLACE

MANIRI

NEW ZEALAND

## DEED OF ASSIGNMENT

THIS DEED made effective 22 November 2007

BETWEEN **Eric Altermann**, a German citizen of 26 Akaroa Avenue, Awapuni, Palmerston North, New Zealand, **Graeme Attwood**, a New Zealand citizen of 136 Pohangina Valley East Road, RD 14, Ashhurst, New Zealand, **Sinead Leahy**, an Irish citizen of 1 Moana Street, Hokuwhitu, Palmerston North, New Zealand, **Zhanhao Kong**, a Chinese citizen of 43-3-501 Liuying Road, Shanghai, China, **William John Kelly**, a New Zealand citizen of 208 Cambridge Avenue, Ashhurst, New Zealand, **Robert Starr Ronimus**, a New Zealand citizen of 468 Stoney Creek Road, RD10, Palmerston North, New Zealand, **Li Dong**, a New Zealand citizen of 29 Kingston Street, Awapuni, Palmerston North, New Zealand (The Assignors)

AND **Pastoral Greenhouse Gas Research Limited**, a New Zealand company of Level 13, 113-119 The Terrace, Wellington, New Zealand (The Assignee)

WHEREAS the Assignors on the commission or by virtue of employment or in return for money or money's worth from the Assignee has designed and developed an invention entitled **Phage  $\phi$ mr1 Polynucleotides and Polypeptides and Uses Thereof** (the invention) which is the subject of United States Patent Application No. 60/989,840 and pursuant to which has produced or had produced various works relating thereto including but not limited to sketches, drawings, photographs, prototypes, models, description, literary works, formulae, processes and/or technical data (the works)

AND WHEREAS it was or is now agreed between the Assignee and the Assignors that all rights relating to the invention and the works including any invention, copyright or design or rights of a like nature subsisting therein already is or will be pursuant to this assignment the property of the Assignee for all countries of the world.

NOW THIS DEED WITNESSES that in consideration of the commission, employment or return and one dollar New Zealand currency (NZ\$1.00), the receipt and sufficiency whereof the Assignors hereby acknowledge, the Assignors do hereby assign and transfer unto the Assignee any and all rights, title and interest in and to the invention and the works to which the Assignors might otherwise be legally or beneficially entitled for all countries of the world, including any invention or any copyright or design or rights of a like nature in respect of any artistic, literary or other works relating to the invention, together with the right for the Assignee to apply for and obtain patent, design, copyright or other protection in New Zealand and overseas for the invention for the consideration hereinbefore stated unto and to the use of the Assignee, its successors and assigns absolutely.

Witness my hand and seal this 15th day of December 2008

*Li Dong*

Dec. 15, 2008

**PATENT**

**REEL: 047212 FRAME: 0223**

AND FURTHER PROVIDED THAT the Assignors hereby undertake to do any reasonable acts at the request and expense of the Assignee as may be necessary to give effect to the assignment of the said rights and to facilitate the filing, obtaining, maintenance or enforcement of protection for the invention including any patent, design or copyright protection or the like, in the name of the Assignee.

IN WITNESS WHEREOF the Assignors and the Assignee each have executed this deed.

FOR AND ON BEHALF OF THE ASSIGNORS

Eric Altermann

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Graeme Attwood

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Name (in Capitals)

\_\_\_\_\_  
Address

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Name (in Capitals)

\_\_\_\_\_  
Address

*18/12/2008*  
Dec. 15, 2008

**PATENT**

**REEL: 047212 FRAME: 0224**



Sinead Leahy

\_\_\_\_\_  
 \_\_\_\_\_

Zhanhao Kong

*[Signature]*  
 \_\_\_\_\_

*[Signature]* Dec. 15, 2008

William John Kelly

\_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 Witness

\_\_\_\_\_  
 Name (in Capitals)

\_\_\_\_\_  
 Address

\_\_\_\_\_  
 Witness

\_\_\_\_\_  
 Name (in Capitals)

\_\_\_\_\_  
 Address

\_\_\_\_\_  
 Witness

\_\_\_\_\_  
 Name (in Capitals)

\_\_\_\_\_  
 Address

*[Signature]*  
 Dec. 15, 2008

**PATENT**

**REEL: 047212 FRAME: 0225**

Robert Star Ronimus

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Li Dong

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

FOR AND ON BEHALF OF THE ASSIGNEE  
Pastoral Greenhouse Gas Research Limited

\_\_\_\_\_  
Authorised Officer

\_\_\_\_\_  
Title

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Name (in Capitals)

\_\_\_\_\_  
Address

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Name (in Capitals)

\_\_\_\_\_  
Address

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Name (in Capitals)

\_\_\_\_\_  
Address

*Signature*

Dec 15 2008

PATENT

# 公 证 书

(2008)沪东证外经字第 14679 号

兹证明孔展昊（男，一九七七年十二月五日出生，  
中国护照号码：G00001764）于二〇〇八年十二月十五日  
在上海市，在前面的《转让契约》上签名。

中华人民共和国上海市东方公证处

公 证 员

黄欣

二〇〇八年十二月十五日



117441832

PATENT

REEL: 047212 FRAME: 0227

Translation

NOTARIAL CERTIFICATE

(2008)H.D.Z.W.J.Z. No. 14679

This is to certify that KONG Zhanhao (male, born on December 5, 1977, Chinese Passport No. G00001764) affixed his signature to the foregoing DEED OF ASSIGNMENT in Shanghai on December 15, 2008.

HUANG Xin (Seal)

Notary Public

The People's Republic of China

Shanghai Oriental Notary Public Office

(Seal)

Dated: December 15, 2008

XV14742085

# 公 证 书

(2008)沪东证外经字第 14680 号

兹证明前面的英文译本内容与孔展昊的(2008)沪东证外经字第 14679 号公证书中文原本相符。

中华人民共和国上海市东方公证处

公 证 员

黄欣



14679

Translation

NOTARIAL CERTIFICATE

(2008)H.D.Z.W.J.Z. No. 14680

This is to certify that the foregoing English version is true and faithful to the original Notarial Certificate (2008) H.D.Z.W.J.Z. No. 14679 in Chinese for KONG Zhanhao.

HUANG Xin (Seal)

Notary Public

The People's Republic of China

Shanghai Oriental Notary Public Office

(Seal)

Dated: December 15, 2008

4742088

DEED OF ASSIGNMENT

THIS DEED made effective 22 November 2007

BETWEEN **William John Kelly**, a New Zealand citizen of 208 Cambridge Avenue, Ashhurst, New Zealand, **Eric Altermann**, a German citizen of 26 Akaroa Avenue, Palmerston North, New Zealand, **Sinead Leahy**, an Irish citizen of 1 Moana Street, Palmerston North, New Zealand, **Zhanhao Kong**, a New Zealand citizen of 45-3-501 Liuying Road, Shanghai, China, **Li Dong**, a New Zealand citizen of 29 Kingston Street, Palmerston North, New Zealand, **Graeme Attwood**, a New Zealand citizen of 136 Pohangina Valley East Road, RD 14, Ashhurst, New Zealand  
(The Assignors)

AND **Pastoral Greenhouse Gas Research Limited**, a New Zealand company of Level 13, 113-119 The Terrace, Wellington, New Zealand (The Assignee)

WHEREAS the Assignors on the commission or by virtue of employment or in return for money or money's worth from the Assignee has designed and developed an invention entitled **Vaccines and Vaccine Components for Inhibition of Microbial Cells** (the invention) which is the subject of United States Patent Application No. 60/989,841, and pursuant to which has produced or had produced various works relating thereto including but not limited to sketches, drawings, photographs, prototypes, models, descriptions, literary works, formulae, processes and/or technical data (the works)

AND WHEREAS it was or is now agreed between the Assignee and the Assignors that all rights relating to the invention and the works including any invention, copyright or design or rights of a like nature subsisting therein already is or will be pursuant to this assignment the property of the Assignee for all countries of the world.

NOW THIS DEED WITNESSES that in consideration of the commission, employment or return and one dollar New Zealand currency (NZ\$1.00), the receipt and sufficiency whereof the Assignors hereby acknowledge, the Assignors do hereby assign and transfer unto the Assignee any and all rights, title and interest in and to the invention and the works to which the Assignors might otherwise be legally or beneficially entitled for all countries of the world, including any invention or any copyright or design or rights of a like nature in respect of any artistic, literary or other works relating to the invention, together with the right for the Assignee to apply for and obtain patent, design, copyright or other protection in New Zealand and overseas for the invention, for the consideration hereinbefore stated unto and to the use of the Assignee, its successors and assigns absolutely.

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*WJK*

*EA*

*DL*

*WJ Kelly  
Eric Altermann  
Sinead Leahy*

*GA*

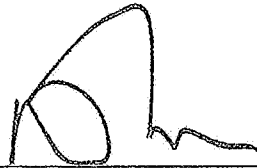
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AND FURTHER PROVIDED THAT the Assignors hereby undertake to do any reasonable acts at the request and expense of the Assignee as may be necessary to give effect to the assignment of the said rights and to facilitate the filing, obtaining, maintenance or enforcement of protection for the invention including any patent, design or copyright protection or the like, in the name of the Assignee

IN WITNESS WHEREOF the Assignors and the Assignee each have executed this deed.

**FOR AND ON BEHALF OF THE ASSIGNORS**

**William John Kelly**

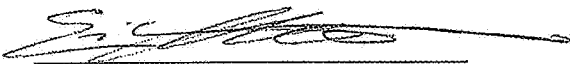

  
 Witness

MARK RUTHERFORD WADHAM  
 NOTARY PUBLIC  
 192 BROADWAY AVENUE  
 PALMERSTON NORTH  
 NEW ZEALAND

Name (in Capitals)

Address

**Eric Altermann**

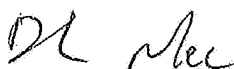

  
 Witness

MARK RUTHERFORD WADHAM  
 NOTARY PUBLIC  
 192 BROADWAY AVENUE  
 PALMERSTON NORTH  
 NEW ZEALAND

Name (in Capitals)

Address

*John*



Sinead Leahy

Sinead Leahy

\_\_\_\_\_

Zhanhao Kong

\_\_\_\_\_

\_\_\_\_\_

Li Dong

Dong

\_\_\_\_\_

*Li Dong*

*WEC*



Witness

MARK RUTHERFORD WADHAVANI  
NOTARY PUBLIC  
192 BROADWAY AVENUE  
PALMERSTON NORTH  
NEW ZEALAND

Name (In Capitals)

Address

Witness

Name (In Capitals)

Address



Witness

MARK RUTHERFORD WADHAVANI  
NOTARY PUBLIC  
192 BROADWAY AVENUE  
PALMERSTON NORTH  
NEW ZEALAND

Name (In Capitals)

Address

Graeme Attwood

G. Attwood

\_\_\_\_\_

[Signature]

Witness

CARIE BUTTERSPOND WASHAM  
NOTARY PUBLIC  
102 BROADWAY AVENUE  
PETERBOROUGH  
ONTARIO

Name (In Capitals)

Address

FOR AND ON BEHALF OF THE ASSIGNEE  
Pastoral Greenhouse Gas Research Limited

[Signature]

Authorised Officer

Chairman

Title

[Signature]

Witness

ALAN NICHOLAS WASHAM

Name (In Capitals)

715 ROAD  
N22 BUILDING  
GARDEN ROAD

Address

WILMINGTON  
NEW ZEALAND



DEED OF ASSIGNMENT

THIS DEED made effective 22 November 2007

BETWEEN William John Kelly, a New Zealand citizen of 208 Cambridge Avenue, Ashhurst, New Zealand, Eric Altermann, a German citizen of 26 Akaroa Avenue, Palmerston North, New Zealand, Sinead Leahy, an Irish citizen of 1 Moana Street, Palmerston North, New Zealand, Zhanhao Kong, a Chinese citizen of 45-3-501 Liuying Road, Shanghai, China, Li Dong, a New Zealand citizen of 29 Kingston Street, Palmerston North, New Zealand, Graeme Attwood, a New Zealand citizen of 136 Pohangina Valley East Road, RD 14, Ashhurst, New Zealand (The Assignors)

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*Lyhm 30 辰*

Dec. 15, 2008

**PATENT**

**REEL: 047212 FRAME: 0235**

AND FURTHER PROVIDED THAT the Assignors hereby undertake to do any reasonable acts at the request and expense of the Assignee as may be necessary to give effect to the assignment of the said rights and to facilitate the filing, obtaining, maintenance or enforcement of protection for the invention including any patent, design or copyright protection or the like, in the name of the Assignee.

IN WITNESS WHEREOF the Assignors and the Assignee each have executed this deed.

FOR AND ON BEHALF OF THE ASSIGNORS

William John Kelly

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Name (in Capitals)

\_\_\_\_\_  
Address

Eric Altermann

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Name (in Capitals)

\_\_\_\_\_  
Address

*18th Dec 1988*

Dec. 15, 2008

**PATENT**

**REEL: 047212 FRAME: 0236**

Sinead Leahy

\_\_\_\_\_

\_\_\_\_\_

Zhanhao Kong

*lgm* \_\_\_\_\_

*孔展昊* Dec. 15, 2008

Li Dong

\_\_\_\_\_

\_\_\_\_\_

Witness

\_\_\_\_\_

Name (In Capitals)

\_\_\_\_\_

Address

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Witness

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Name (In Capitals)

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Address

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Witness

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Name (In Capitals)

\_\_\_\_\_

Address

\_\_\_\_\_

*lgm 孔展昊*  
Dec. 15, 2008

**PATENT**

**REEL: 047212 FRAME: 0237**

Graeme Attwood

Witness

Name (In Capitals)

Address

FOR AND ON BEHALF OF THE ASSIGNEE  
Pastoral Greenhouse Gas Research Limited

Authorised Officer

Witness

Title

Name (In Capitals)

Address

18/12/08 孔展昇

Dec. 15, 2008

PATENT

REEL: 047212 FRAME: 0238

# 公 证 书

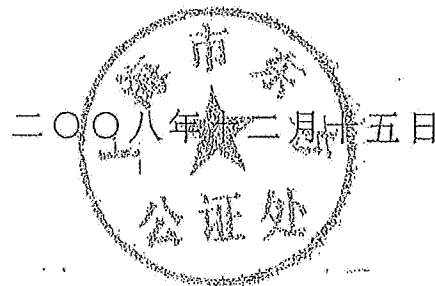
(2008)沪东证外经字第 14681 号

兹证明孔展昊（男，一九七七年十二月五日出生，  
中国护照号码：G00001764）于二〇〇八年十二月十五日  
在上海市，在前面的《转让契约》上签名。

中华人民共和国上海市东方公证处

公 证 员

黄欣



XV 14741838

PATENT

REEL: 047212 FRAME: 0239

Translation

NOTARIAL CERTIFICATE

(2008)H.D.Z.W.J.Z. No. 14681

This is to certify that KONG Zhanhao (male, born on December 5, 1977, Chinese Passport No. G00001764) affixed his signature to the foregoing DEED OF ASSIGNMENT in Shanghai on December 15, 2008.

HUANG Xin (Seal)

Notary Public

The People's Republic of China

Shanghai Oriental Notary Public Office

(Seal)

Dated: December 15, 2008

0174742090



# 公 证 书

(2008)沪东证外经字第 14682 号

兹证明前面的英文译本内容与孔展昊的(2008)沪东  
证外经字第 14681 号公证书中文原本相符。

中华人民共和国上海市东方公证处

公 证 员

黄欣

二〇〇八年十月十五日



14742082

Translation

NOTARIAL CERTIFICATE

(2008)H.D.Z.W.J.Z. No. 14682

This is to certify that the foregoing English version is true and faithful to the original Notarial Certificate (2008) H.D.Z.W.J.Z. No. 14681 in Chinese for KONG Zhanhao.

HUANG Xin (Seal)

Notary Public

The People's Republic of China

Shanghai Oriental Notary Public Office

(Seal)

Dated: December 15, 2008

014742092

## DEED OF ASSIGNMENT

THIS DEED made effective 25 September 2007

BETWEEN **Graeme Trevor Attwood**, a New Zealand citizen of 136 Pohangina Valley East Road, RD 14, Ashhurst, New Zealand, **William John Kelly**, a New Zealand citizen of 208 Cambridge Avenue, Ashhurst, New Zealand and **Eric Heinz Altermann**, a German citizen of 26 Akaroa Avenue, Palmerston North, New Zealand. (The Assignors)

AND **Pastoral Greenhouse Gas Research Limited**, a New Zealand company of Level 13, 113-119 The Terrace, Wellington, New Zealand (The Assignee)

WHEREAS the Assignors on the commission or by virtue of employment or in return for money or money's worth from the Assignee has designed and developed an invention entitled **Cell-Permeabilising Peptides and Polypeptides for Microbial Cells** (the invention) which is the subject of United States Patent Application No. 60/975,104 and pursuant to which has produced or had produced various works relating thereto including but not limited to sketches, drawings, photographs, prototypes, models, descriptions, literary works, formulae, processes and/or technical data (the works)

AND WHEREAS it was or is now agreed between the Assignee and the Assignors that all rights relating to the invention and the works including any invention, copyright or design or rights of a like nature subsisting therein already is or will be pursuant to this assignment the property of the Assignee for all countries of the world.

NOW THIS DEED WITNESSES that in consideration of the commission, employment or return and one dollar New Zealand currency (NZ\$1.00), the receipt and sufficiency whereof the Assignors hereby acknowledge, the Assignors do hereby assign and transfer unto the Assignee any and all right, title and interest in and to the invention and the works to which the Assignors might otherwise be legally or beneficially entitled for all countries of the world, including any invention or any copyright or design or rights of a like nature in respect of any artistic, literary or other works relating to the invention, together with the right for the Assignee to apply for and obtain patent, design, copyright or other protection in New Zealand and overseas for the invention, for the consideration hereinbefore stated unto and to the use of the Assignee, its successors and assigns absolutely.

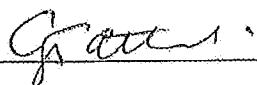
W  
GA  
WJ  
EK

AND FURTHER PROVIDED THAT the Assignors hereby undertake to do any reasonable acts at the request and expense of the Assignee as may be necessary to give effect to the assignment of the said rights and to facilitate the filing, obtaining, maintenance or enforcement of protection for the invention including any patent, design or copyright protection or the like, in the name of the Assignee

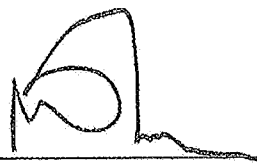
IN WITNESS WHEREOF the Assignor and the Assignee each have executed this deed.

**FOR AND ON BEHALF OF THE ASSIGNORS**

**Graeme Trevor Attwood**



\_\_\_\_\_



Witness

MARK RUTHERFORD WADHAM  
NOTARY PUBLIC  
192 BROADWAY AVENUE  
PALMERSTON NORTH  
NEW ZEALAND

\_\_\_\_\_  
Name (in Capitals)

\_\_\_\_\_  
Address

**William John Kelly**



\_\_\_\_\_



Witness

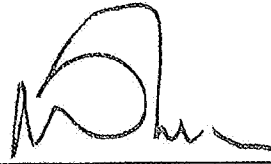
MARK RUTHERFORD WADHAM  
NOTARY PUBLIC  
192 BROADWAY AVENUE  
PALMERSTON NORTH  
NEW ZEALAND

\_\_\_\_\_  
Name (in Capitals)

\_\_\_\_\_  
Address



Eric Heinz Altermann

Witness

MARK RUTHERFORD WADHAM  
NOTARY PUBLIC  
102 BROADWAY AVENUE  
PALMERSTON NORTH  
NEW ZEALAND

Name (in Capitals)

Address

FOR AND ON BEHALF OF THE ASSIGNEE

Pastoral Greenhouse Gas Research  
Limited



Authorised Officer

Chairman

Title

A. L. Walker

Witness

ALAN MICHAEL M'CALLION

Name (in Capitals)

7th FLOOR  
NZZ BUILDING  
6 GARDEN PLACE

Address

HAMILTON  
NEW ZEALAND

A. L. Walker  
Authorised Officer  
Hamilton  
New Zealand

