

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Umber Cheema</td><td>04/20/2007</td></tr><tr><td>Cher-Bing Chuo</td><td>04/19/2007</td></tr><tr><td>Robert Brown</td><td>04/20/2007</td></tr></tbody></table>		Name	Execution Date	Umber Cheema	04/20/2007	Cher-Bing Chuo	04/19/2007	Robert Brown	04/20/2007				
Name	Execution Date												
Umber Cheema	04/20/2007												
Cher-Bing Chuo	04/19/2007												
Robert Brown	04/20/2007												
RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>ULC Business PLC</td></tr><tr><td>Street Address:</td><td>97 Tottenham Court Road</td></tr><tr><td>Internal Address:</td><td>The Network Building</td></tr><tr><td>City:</td><td>London</td></tr><tr><td>State/Country:</td><td>UNITED KINGDOM</td></tr><tr><td>Postal Code:</td><td>W1T 4TP</td></tr></table>		Name:	ULC Business PLC	Street Address:	97 Tottenham Court Road	Internal Address:	The Network Building	City:	London	State/Country:	UNITED KINGDOM	Postal Code:	W1T 4TP
Name:	ULC Business PLC												
Street Address:	97 Tottenham Court Road												
Internal Address:	The Network Building												
City:	London												
State/Country:	UNITED KINGDOM												
Postal Code:	W1T 4TP												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12094971</td></tr></tbody></table>		Property Type	Number	Application Number:	12094971								
Property Type	Number												
Application Number:	12094971												
CORRESPONDENCE DATA													
Fax Number: (503)595-5301 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 503 595-5300													
Email: rosanne.paulson@klarquist.com													
Correspondent Name: Rosanne Paulson													
Address Line 1: 121 SW Salmon St.													
Address Line 2: Suite 1600													
Address Line 4: Portland, OREGON 97204													
ATTORNEY DOCKET NUMBER:	6947-81310-01 TMH												
NAME OF SUBMITTER:	Tanya M. Harding, Ph.D.												
Total Attachments: 8													

CH \$40.00 12094971

500548730

PATENT
REEL: 020997 FRAME: 0396

source=81310-01_assign#page1.tif
source=81310-01_assign#page2.tif
source=81310-01_assign#page3.tif
source=81310-01_assign#page4.tif
source=81310-01_assign#page5.tif
source=81310-01_assign#page6.tif
source=81310-01_assign#page7.tif
source=81310-01_assign#page8.tif

66-029.

RECEIVED
23 APR 2007

**ASSIGNMENT OF INVENTION
AND RELATED INTELLECTUAL PROPERTY RIGHTS**

Parties:

1 'The Assignor'

UMBER CHEEMA

of Institute of Orthopaedics, University College London, RNOH Campus, Brockley Hill, Stanmore, Middlesex, HA7 4LP, UNITED KINGDOM.

CHER-BING CHUO

of Selly Oak Hospital, University Hospital, Birmingham Foundation Trust, Raddlebarn Road, Selly Oak, Birmingham, Warwickshire, B29 6JD, UNITED KINGDOM.

ROBERT BROWN

of Institute of Orthopaedics, University College London, RNOH Campus, Brockley Hill, Stanmore, Middlesex, HA7 4LP, UNITED KINGDOM.

2 'The Assignee'

UCL BUSINESS PLC

of The Network Building, 97 Tottenham Court Road, London, W1T 4TP, UNITED KINGDOM

Recitals:

(A) The Assignor is the inventor or a joint inventor of the invention or inventions entitled BIO-ARTIFICIAL MATERIALS WITH TUNEABLE PROPERTIES ("the Invention") for which International PCT Application No. PCT/GB2006/004414 has been filed ("the PCT Application")

(B) In pursuance of an agreement made between the parties before the PCT Application was filed the Assignor has agreed to assign to the Assignee for the consideration hereinafter mentioned all his rights title and interest in to and under the Invention and the PCT Application for all countries designated therein [including (without limitation) the United States of America]

Operative provisions:

In consideration for the payment of £1.00 by the Assignee to the Assignor the receipt and sufficiency of which is hereby acknowledged by the Assignor:

1 The Assignor hereby sells and assigns to the Assignee absolutely and free from incumbrances:

1.1 all his rights title and interest in Canada and the United States and all other countries of the world in to and under the Invention and the PCT Application and all national and

regional phases thereof and any and all divisionals, continuations and continuations-in-part of any of the aforesaid applications and any and all patents that may be granted pursuant thereto for the full period thereof including any re-issues, re-examinations, renewals, extensions and Supplementary Protection Certificates and including all rights and powers arising or accrued therefrom including the right to sue for damages and other remedies in respect of any infringement of any such rights before on or after the date hereof and to retain any damages obtained as a result of such action;

1.2 all such rights as he may have to apply for prosecute and obtain patents and other intellectual property protection anywhere in the world in respect of the Invention to the intent that the grant of any patents or other intellectual property protection for the Invention shall be in the name of and shall vest in the Assignee or its successors or assigns;

1.3 all such rights as he may have to claim priority from all patent applications (if any) from which priority is claimed in the PCT Application in any and all applications for patent protection for the Invention, such rights to be enjoyed by the Assignee with effect from the date of filing of the PCT Application;

to the intent that the Assignee shall have and hold the rights title and interest hereby assigned as fully and entirely as the same would have been held and enjoyed by the Assignor had this assignment not been made.

2 The Assignor hereby GRANTS the firm of Mewburn Ellis LLP the power to insert in the Schedule to this Assignment any further identification of any patent applications in Canada or the United States or any other countries or regions of the world which fall within the scope of clause 1 above, as may be necessary or desirable in order to comply with the rules of the United States Patent Office or the Canadian Patent Office or any other Patent Office for recordation of this document. It is understood and agreed that the Assignee's attorneys Mewburn Ellis LLP have not represented the Assignor and will continue to represent only the Assignee and its successors in title with respect to the Invention and all patent applications relating thereto.

3 The Assignor hereby UNDERTAKES that at the request and cost of the Assignee or its successors or assigns he will at all times hereafter promptly do all such acts and execute all such documents (including but not limited to documents required to be signed by or on behalf of inventors in the course of any and all Canadian and United States patent applications which relate to the Invention and any and all divisionals, continuations and continuations-in-part of any such applications) as may be reasonably necessary or desirable to secure the vesting in the Assignee or its successors or assigns of all rights title and interest assigned to the Assignee hereunder and to confirm the title of the Assignee or its successors or assigns to all such rights title and interest and to assist in the resolution of any question concerning the Invention or any application for patent or other intellectual property protection for the Invention or any intellectual property protection granted pursuant to any such application.

4 The Assignor hereby requests the relevant authorities in all countries of the world to issue any patents granted for the Invention in the name of the Assignee or its successors or assigns in accordance with this assignment.

5 This assignment and undertaking shall be binding upon the Assignor's heirs, executors, administrators, successors and/or assigns and shall enure to the benefit of any heirs, executors, administrators, successors and/or assigns of the Assignee.

AS WITNESS the signatures of (or of duly authorised officers of) the parties hereto

SCHEDULE

BIO-ARTIFICIAL MATERIALS WITH TUNEABLE PROPERTIES

Application No.

Filing Date

The Priority Application

GB 0524048.6

25 November 2005

The PCT Application

PCT/GB2006/004414

24 November 2006


SIGNED by)

UMBER CHEEMA)

at: 3 pm)

on: 20th April 2007)

in the presence of:)

Signature: 

Witness

Signature: 

Name: R. PORTER

Address: 186B CASSLAND RD,
LONDON, E9 5DA

SIGNED by)

CHER-BING CHUO)

at:)

on:)

in the presence of:)

Signature:

Witness

Signature:

Name:

Address:

SIGNED by)

ROBERT BROWN)

at: 3:00pm)

on: 20/4/07)

in the presence of:)

Signature: 

Witness

Signature: 

Name: R. PORTER

Address: 186 B CASSLAND RD,
LONDON, E9 5DA

SIGNED for and on behalf of)

UCL BUSINESS PLC)

at:)

on:)

in the presence of:)

Signature:

Name:

Witness

Position:

Signature:

Name:

Address:

**ASSIGNMENT OF INVENTION
AND RELATED INTELLECTUAL PROPERTY RIGHTS**

Parties:

1 'The Assignor'

UMBER CHEEMA

of Institute of Orthopaedics, University College London, RNOH Campus, Brockley Hill, Stanmore, Middlesex, HA7 4LP, UNITED KINGDOM.

CHER-BING CHUO

of 24 Twickenham Drive, Moseley, Birmingham, West Midlands, B13 8LY, UNITED KINGDOM.

ROBERT BROWN

of Institute of Orthopaedics, University College London, RNOH Campus, Brockley Hill, Stanmore, Middlesex, HA7 4LP, UNITED KINGDOM.

2 'The Assignee'

UCL BUSINESS PLC

of The Network Building, 97 Tottenham Court Road, London, W1T 4TP, UNITED KINGDOM

Recitals:

(A) The Assignor is the inventor or a joint inventor of the invention or inventions entitled BIO-ARTIFICIAL MATERIALS WITH TUNEABLE PROPERTIES ("the Invention") for which International PCT Application No. PCT/GB2006/004414 has been filed ("the PCT Application")

(B) In pursuance of an agreement made between the parties before the PCT Application was filed the Assignor has agreed to assign to the Assignee for the consideration hereinafter mentioned all his rights title and interest in to and under the Invention and the PCT Application for all countries designated therein [including (without limitation) the United States of America]

Operative provisions:

In consideration for the payment of £1.00 by the Assignee to the Assignor the receipt and sufficiency of which is hereby acknowledged by the Assignor:

1 The Assignor hereby sells and assigns to the Assignee absolutely and free from incumbrances:

1.1 all his rights title and interest in Canada and the United States and all other countries of the world in to and under the Invention and the PCT Application and all national and

regional phases thereof and any and all divisionals, continuations and continuations-in-part of any of the aforesaid applications and any and all patents that may be granted pursuant thereto for the full period thereof including any re-issues, re-examinations, renewals, extensions and Supplementary Protection Certificates and including all rights and powers arising or accrued therefrom including the right to sue for damages and other remedies in respect of any infringement of any such rights before on or after the date hereof and to retain any damages obtained as a result of such action;

1.2 all such rights as he may have to apply for prosecute and obtain patents and other intellectual property protection anywhere in the world in respect of the Invention to the intent that the grant of any patents or other intellectual property protection for the Invention shall be in the name of and shall vest in the Assignee or its successors or assigns;

1.3 all such rights as he may have to claim priority from all patent applications (if any) from which priority is claimed in the PCT Application in any and all applications for patent protection for the Invention, such rights to be enjoyed by the Assignee with effect from the date of filing of the PCT Application;

to the intent that the Assignee shall have and hold the rights title and interest hereby assigned as fully and entirely as the same would have been held and enjoyed by the Assignor had this assignment not been made.

2 The Assignor hereby GRANTS the firm of Mewburn Ellis LLP the power to insert in the Schedule to this Assignment any further identification of any patent applications in Canada or the United States or any other countries or regions of the world which fall within the scope of clause 1 above, as may be necessary or desirable in order to comply with the rules of the United States Patent Office or the Canadian Patent Office or any other Patent Office for recordation of this document. It is understood and agreed that the Assignee's attorneys Mewburn Ellis LLP have not represented the Assignor and will continue to represent only the Assignee and its successors in title with respect to the Invention and all patent applications relating thereto.

3 The Assignor hereby UNDERTAKES that at the request and cost of the Assignee or its successors or assigns he will at all times hereafter promptly do all such acts and execute all such documents (including but not limited to documents required to be signed by or on behalf of inventors in the course of any and all Canadian and United States patent applications which relate to the Invention and any and all divisionals, continuations and continuations-in-part of any such applications) as may be reasonably necessary or desirable to secure the vesting in the Assignee or its successors or assigns of all rights title and interest assigned to the Assignee hereunder and to confirm the title of the Assignee or its successors or assigns to all such rights title and interest and to assist in the resolution of any question concerning the Invention or any application for patent or other intellectual property protection for the Invention or any intellectual property protection granted pursuant to any such application.

4 The Assignor hereby requests the relevant authorities in all countries of the world to issue any patents granted for the Invention in the name of the Assignee or its successors or assigns in accordance with this assignment.

5 This assignment and undertaking shall be binding upon the Assignor's heirs, executors, administrators, successors and/or assigns and shall enure to the benefit of any heirs, executors, administrators, successors and/or assigns of the Assignee.

AS WITNESS the signatures of (or of duly authorised officers of) the parties hereto

SCHEDULE

BIO-ARTIFICIAL MATERIALS WITH TUNEABLE PROPERTIES

Application No.

Filing Date

The Priority Application

GB 0524048.6

25 November 2005

The PCT Application

PCT/GB2006/004414

24 November 2006

SIGNED by)

UMBER CHEEMA)

at:)

on:)

in the presence of:)

Signature:

Witness

Signature:

Name:

Address:

SIGNED by)

CHER-BING CHUO)

at: *Mosely, Birmingham, West Midlands*)

on: *19/4/7*)

in the presence of:)

Signature: 

Witness

Signature: *MJE Purvis*

Name: *MJE PURVIS*

Address: *148 NORTON RD
STOLEBRIDGE
WEST MIDLANDS
DY8 2TA*

PATENT

REEL: 020997 FRAME: 0404

SIGNED by)

ROBERT BROWN)

at:)

on:)

in the presence of:)

Signature:

Witness

Signature:

Name:

Address:

SIGNED for and on behalf of)

UCL BUSINESS PLC)

at:)

on:)

in the presence of:)

Signature:

Name:

Witness

Position:

Signature:

Name:

Address: