

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6081897

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BRIAN SAUNDERS	01/21/2013
AMIRHOSSEIN MILANI	01/25/2013
RUIXUE LIU	12/18/2012
ANTHONY FREEMONT	12/18/2012
RECEIVING PARTY DATA	
Name:	THE UNIVERSITY OF MANCHESTER
Street Address:	OXFORD ROAD
City:	MANCHESTER
State/Country:	UNITED KINGDOM
Postal Code:	M13 9PL
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16253724
CORRESPONDENCE DATA	
Fax Number:	(617)345-3299
<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>	
Phone:	6173453000
Email:	docketing@burnslev.com
Correspondent Name:	BURNS & LEVINSON LLP
Address Line 1:	125 HIGH STREET
Address Line 4:	BOSTON, MASSACHUSETTS 02110
ATTORNEY DOCKET NUMBER:	HGF-700DIV1
NAME OF SUBMITTER:	SHAWN P. FOLEY
SIGNATURE:	/Shawn P. Foley/
DATE SIGNED:	04/28/2020
Total Attachments: 24	
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Dated

January 2013

- (1) BRIAN SAUNDERS
- (2) THE UNIVERSITY OF MANCHESTER

Confirmatory Assignment of Intellectual Property

THIS ASSIGNMENT is made on 18 December 2012

BETWEEN

- (1) Brian Saunders of _____

_____ ("Assignor")
- (2) The University of Manchester (a Royal Charter corporation registered under number RC000797, an exempt charity) of Oxford Road, Manchester, M13 9PL ("University")

OPERATIVE PROVISIONS

1. INTERPRETATION

- 1.1 In this Assignment the following expressions have the following meanings unless inconsistent with the context:

"Assigned IP" all Intellectual Property created, invented, discovered or, without limitation, otherwise made by the Assignor in relation to the invention described in the Schedule

"Effective Date" the date of this Assignment

"Intellectual Property" patents, trade marks, copyright, database rights, design rights, registered designs, know-how, and all other intellectual property rights, in each case whether registered or unregistered and including applications or rights to apply for them and together with all extensions and renewals of them, and in each case all rights and forms of protection having equivalent and similar effect anywhere in the world

- 1.2 The headings to the clauses are for ease of reference only and shall not be taken into account in its interpretation.

2. ASSIGNMENT

- 2.1 The Assignor assigns to the University with full title guarantee:

2.1.1 all such right, title and interest as the Assignor has in the Assigned IP absolutely;

- 2.1.2 all the Assignor's rights and powers arising or accrued from the Assigned IP up to the Effective Date including any right to sue for damages and other remedies including without limitation any right to have the benefit of any remedy obtained on any supposed infringement of all or any of his rights in the Assigned IP before the Effective Date; and
- 2.1.3 all the Assignor's rights (if any) to apply for prosecution to obtain patent or similar or other registered protection throughout the world in relation to all or any of the Assigned IP, including any right he has to apply for renewals and extensions and the right to claim priority from earlier applications so that the grant of any patent or similar or other registered protection shall be in the name of and vest in the University.
- 2.2 The Assignor warrants that he has not granted any licence or other right in respect of or encumbrance over any of the Assigned IP which remains in force.
- 2.3 The Assignor waives all moral rights (and equivalent rights anywhere in the world) in relation to any copyright work comprised within the Assigned IP so far as he is legally able to do so.
- 2.4 The Assignor agrees that he will upon request:
 - 2.4.1 execute all documents, take all such actions, do all such things and provide all reasonable assistance to secure the right, title and interest in the Assigned IP assigned to the Assignor by this Assignment, including without limit signing as an inventor all documents required to register any invention comprised within the Assigned IP in the United States of America or elsewhere in the name of the University or its assignee; and
 - 2.4.2 deliver up to the University all manifestations of the Assigned IP.

3. **MISCELLANEOUS**

- 3.1 This Assignment constitutes the entire agreement between the parties relating to the subject matter of this Assignment and supersedes all prior communications, drafts, agreements, representations, warranties, stipulations, undertakings and agreements of whatsoever nature, whether oral or written, between the parties and all implied conditions and warranties are excluded so far as permitted by law.
- 3.2 The failure to exercise or delay in exercising a right or remedy under this Assignment shall not constitute a waiver of the right or remedy or a waiver of any other rights or remedies, and no single or partial exercise of any right or remedy under this Assignment shall prevent any further exercise of the right or remedy or the exercise of any other right or remedy.

- 3.3 The University may assign the benefit of this Assignment and the Assigned IP.
- 3.4 This Assignment and any non-contractual obligations arising out of or in connection with it shall be governed by and construed in accordance with the laws of England. The courts of England will have exclusive jurisdiction to settle any disputes which may arise out of or in connection with this Assignment. The parties irrevocably agree to submit to that jurisdiction, save that nothing shall prevent either party from seeking injunctive relief in any appropriate jurisdiction.

THIS DOCUMENT is executed as a deed by the Assignor and delivered on the date stated at the beginning of this Assignment.

SCHEDULE

Assigned IP

Patents

Territory	Application Number	Application Date	Priority Date	Grant Number	Grant Date
	PCT/GB 2006/004367	23 Nov 2006	25 Nov 2005	n/a	n/a
EU	06808644.6	23 Nov 2006	25 Nov 2005	1962918	27 July 2011
Australia	2006318865	23 Nov 2006	25 Nov 2005		
Eire/Ireland	06808644.6	23 Nov 2006	25 Nov 2005	1962918	27 July 2011
France	06808644.6	23 Nov 2006	25 Nov 2005	1962918	27 July 2011
Germany	06808644.6	23 Nov 2006	25 Nov 2005	1962918	27 July 2011
Japan	2008-541817	23 Nov 2006	25 Nov 2005		
South Korea	10-2008-7015379	23 Nov 2006	25 Nov 2005		
Netherlands	06808644.6	23 Nov 2006	25 Nov 2005	1962918	27 July 2011
Switzerland	06808644.6	23 Nov 2006	25 Nov 2005	1962918	27 July 2011
UK	06808644.6	23 Nov 2006	25 Nov 2005	1962918	27 July 2011
USA	12094180	23 Nov 2006	25 Nov 2005		
	PCT/GB 2011/ 050329	18 February 2011	19 February 2010		
EU	11707214.0	20 Sept 2012	19 February 2010		
USA	13/579809	17 August 2012	19 February 2010		

Know How

All know how relating to microgels to repair, restore or replace soft tissues/load bearing tissues.

SIGNED as a deed by
BRIAN SAUNDERS
in the presence of:

} Brian Saunders 21/1/13

Witness signature:

I Easton

Name:

Ivan Easton

Address:

34 GLENHAVEN AVE
URMSTON

Occupation:

SAFETY ADVISOR, MANCHESTER
M41 5BW

SIGNED by _____
duly authorised to sign for and on behalf of }
THE UNIVERSITY OF MANCHESTER }

Dave Bellou

Dated

25 January 2013

- (1) AMIRHOSSEIN MILANI
- (2) THE UNIVERSITY OF MANCHESTER

Confirmatory Assignment of Intellectual Property

THIS ASSIGNMENT is made on 25th January 2013

BETWEEN

(1) Amirhossein Milani of 98, Stratford Road, Manchester
UK, M15 5JH ("Assignor")

(2) The University of Manchester (a Royal Charter corporation registered under number RC000797, an exempt charity) of Oxford Road, Manchester, M13 9PL ("University")

OPERATIVE PROVISIONS

1. INTERPRETATION

1.1 In this Assignment the following expressions have the following meanings unless inconsistent with the context:

"Assigned IP" all Intellectual Property created, invented, discovered or, without limitation, otherwise made by the Assignor in relation to the invention described in the Schedule

"Effective Date" the date of this Assignment

"Intellectual Property" patents, trade marks, copyright, database rights, design rights, registered designs, know-how, and all other intellectual property rights, in each case whether registered or unregistered and including applications or rights to apply for them and together with all extensions and renewals of them, and in each case all rights and forms of protection having equivalent and similar effect anywhere in the world

1.2 The headings to the clauses are for ease of reference only and shall not be taken into account in its interpretation.

2. ASSIGNMENT

2.1 The Assignor assigns to the University with full title guarantee:

2.1.1 all such right, title and interest as the Assignor has in the Assigned IP absolutely;

- 2.1.2 all the Assignor's rights and powers arising or accrued from the Assigned IP up to the Effective Date including any right to sue for damages and other remedies including without limitation any right to have the benefit of any remedy obtained on any supposed infringement of all or any of his rights in the Assigned IP before the Effective Date; and
- 2.1.3 all the Assignor's rights (if any) to apply for prosecution to obtain patent or similar or other registered protection throughout the world in relation to all or any of the Assigned IP, including any right he has to apply for renewals and extensions and the right to claim priority from earlier applications so that the grant of any patent or similar or other registered protection shall be in the name of and vest in the University.
- 2.2 The Assignor warrants that he has not granted any licence or other right in respect of or encumbrance over any of the Assigned IP which remains in force.
- 2.3 The Assignor waives all moral rights (and equivalent rights anywhere in the world) in relation to any copyright work comprised within the Assigned IP so far as he is legally able to do so.
- 2.4 The Assignor agrees that he will upon request:
 - 2.4.1 execute all documents, take all such actions, do all such things and provide all reasonable assistance to secure the right, title and interest in the Assigned IP assigned to the Assignor by this Assignment, including without limit signing as an inventor all documents required to register any invention comprised within the Assigned IP in the United States of America or elsewhere in the name of the University or its assignee; and
 - 2.4.2 deliver up to the University all manifestations of the Assigned IP.

3. MISCELLANEOUS

- 3.1 This Assignment constitutes the entire agreement between the parties relating to the subject matter of this Assignment and supersedes all prior communications, drafts, agreements, representations, warranties, stipulations, undertakings and agreements of whatsoever nature, whether oral or written, between the parties and all implied conditions and warranties are excluded so far as permitted by law.
- 3.2 The failure to exercise or delay in exercising a right or remedy under this Assignment shall not constitute a waiver of the right or remedy or a waiver of any other rights or remedies, and no single or partial exercise of any right or remedy under this Assignment shall prevent any further exercise of the right or remedy or the exercise of any other right or remedy.

- 3.3 The University may assign the benefit of this Assignment and the Assigned IP.
- 3.4 This Assignment and any non-contractual obligations arising out of or in connection with it shall be governed by and construed in accordance with the laws of England. The courts of England will have exclusive jurisdiction to settle any disputes which may arise out of or in connection with this Assignment. The parties irrevocably agree to submit to that jurisdiction, save that nothing shall prevent either party from seeking injunctive relief in any appropriate jurisdiction.
- 3.5 The Parties acknowledge that this Assignment supersedes the assignment between the Assignor and the University dated 16th February 2010 (ref: 307048) and the Parties will have no further obligations pursuant to such assignment with effect from the Effective Date.

THIS DOCUMENT is executed as a deed by the Assignor and delivered on the date stated at the beginning of this Assignment.

SCHEDULE

Assigned IP

Patents

Territory	Application Number	Application Date	Priority Date
	PCT/GB 2011/ 050329	18 February 2011	19 February 2010
EU	11707214.0	20 Sept 2012	19 February 2010
USA	13/579809	17 August 2012	19 February 2010

Know How

All know how relating to microgels to repair, restore or replace soft tissues/load bearing tissues.

SIGNED as a deed by
AMIRHOSSEIN MILANI
in the presence of:

} *A. H. Milani* 
}

Witness signature:

Clare Arkwright


Name: *CLARE ARKWRIGHT*

Address: *65 GRANGE RD
MANCHESTER M21 9JH*

Occupation: *Head of IP Services*

SIGNED by _____
duly authorised to sign for and on behalf of }
THE UNIVERSITY OF MANCHESTER }

Clare Arkwright


Dated

18 December 2012

- (1) RUIXUE LIU
- (2) THE UNIVERSITY OF MANCHESTER

Confirmatory Assignment of Intellectual Property

THIS ASSIGNMENT is made on 18 December 2012

BETWEEN

- (1) Ruixue Liu of Zhengzhou University of Light Industry, Zengzhou, Henan Province, P.R. China, 45002 ("Assignor")
- (2) The University of Manchester (a Royal Charter corporation registered under number RC000797, an exempt charity) of Oxford Road, Manchester, M13 9PL ("University")

OPERATIVE PROVISIONS

1. INTERPRETATION

- 1.1 In this Assignment the following expressions have the following meanings unless inconsistent with the context:

"Assigned IP" all Intellectual Property created, invented, discovered or, without limitation, otherwise made by the Assignor in relation to the invention described in the Schedule

"Effective Date" the date of this Assignment

"Intellectual Property" patents, trade marks, copyright, database rights, design rights, registered designs, know-how, and all other intellectual property rights, in each case whether registered or unregistered and including applications or rights to apply for them and together with all extensions and renewals of them, and in each case all rights and forms of protection having equivalent and similar effect anywhere in the world

- 1.2 The headings to the clauses are for ease of reference only and shall not be taken into account in its interpretation.

2. ASSIGNMENT

- 2.1 The Assignor assigns to the University with full title guarantee:

2.1.1 all such right, title and interest as the Assignor has in the Assigned IP absolutely;

2.1.2 all the Assignor's rights and powers arising or accrued from the Assigned IP up to the Effective Date including any right to sue for damages and

other remedies including without limitation any right to have the benefit of any remedy obtained on any supposed infringement of all or any of her rights in the Assigned IP before the Effective Date; and

- 2.1.3 all the Assignor's rights (if any) to apply for prosecution to obtain patent or similar or other registered protection throughout the world in relation to all or any of the Assigned IP, including any right she has to apply for renewals and extensions and the right to claim priority from earlier applications so that the grant of any patent or similar or other registered protection shall be in the name of and vest in the University.
- 2.2 The Assignor warrants that she has not granted any licence or other right in respect of or encumbrance over any of the Assigned IP which remains in force.
- 2.3 The Assignor waives all moral rights (and equivalent rights anywhere in the world) in relation to any copyright work comprised within the Assigned IP so far as she is legally able to do so.
- 2.4 The Assignor agrees that she will upon request:
 - 2.4.1 execute all documents, take all such actions, do all such things and provide all reasonable assistance to secure the right, title and interest in the Assigned IP assigned to the Assignor by this Assignment, including without limit signing as an inventor all documents required to register any invention comprised within the Assigned IP in the United States of America or elsewhere in the name of the University or its assignee; and
 - 2.4.2 deliver up to the University all manifestations of the Assigned IP.

3. MISCELLANEOUS

- 3.1 This Assignment constitutes the entire agreement between the parties relating to the subject matter of this Assignment and supersedes all prior communications, drafts, agreements, representations, warranties, stipulations, undertakings and agreements of whatsoever nature, whether oral or written, between the parties and all implied conditions and warranties are excluded so far as permitted by law.
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- 3.3 The University may assign the benefit of this Assignment and the Assigned IP.

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3.5 The Parties acknowledge that this Assignment supersedes the assignment between the Assignor and the University dated 9th October 2012 (ref. 2086) and the Parties will have no further obligations pursuant to such assignment with effect from the Effective Date.

THIS DOCUMENT is executed as a deed by the Assignor and delivered on the date stated at the beginning of this Assignment.

SCHEDULE

Assigned IP

Patents

Territory	Application Number	Application Date	Priority Date
	PCT/GB 2011/ 050329	18 February 2011	19 February 2010
EU	11707214.0	20 Sept 2012	19 February 2010
USA	13/579809	17 August 2012	19 February 2010

Know How

All know how relating to microgels to repair, restore or replace soft tissues/load bearing tissues.

SIGNED as a deed by *Ruxue Liu*
RUXUE LIU
in the presence of: *Xianjin Shi*

Witness signature: *Xianjin Shi*
Name: Xianjin Shi

Address: No. 11, Zhongguang Road, Zhengzhou,
Henan Province, P. R. China, 450018

Occupation: Officer

SIGNED by _____
duly authorised to sign for and on behalf of
THE UNIVERSITY OF MANCHESTER

David S. ...

Dated

25 January 2013

- (1) ANTHONY FREEMONT
- (2) THE UNIVERSITY OF MANCHESTER

Confirmatory Assignment of Intellectual Property

THIS ASSIGNMENT is made on 18 December 2012.

BETWEEN

- (1) Anthony Freemont of _____
_____(“Assignor”)
- (2) The University of Manchester (a Royal Charter corporation registered under number RC000797, an exempt charity) of Oxford Road, Manchester, M13 9PL (“University”)

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- 2.1.3 all the Assignor's rights (if any) to apply for prosecution to obtain patent or similar or other registered protection throughout the world in relation to all or any of the Assigned IP, including any right he has to apply for renewals and extensions and the right to claim priority from earlier applications so that the grant of any patent or similar or other registered protection shall be in the name of and vest in the University.
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 - 2.4.1 execute all documents, take all such actions, do all such things and provide all reasonable assistance to secure the right, title and interest in the Assigned IP assigned to the Assignor by this Assignment, including without limit signing as an inventor all documents required to register any invention comprised within the Assigned IP in the United States of America or elsewhere in the name of the University or its assignee; and
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- 3.2 The failure to exercise or delay in exercising a right or remedy under this Assignment shall not constitute a waiver of the right or remedy or a waiver of any other rights or remedies, and no single or partial exercise of any right or remedy under this Assignment shall prevent any further exercise of the right or remedy or the exercise of any other right or remedy.

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THIS DOCUMENT is executed as a deed by the Assignor and delivered on the date stated at the beginning of this Assignment.

SCHEDULE

Assigned IP

Patents

Territory	Application Number	Application Date	Priority Date	Grant Number	Grant Date
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Australia	2006318865	23 Nov 2006	25 Nov 2005		
Eire/Ireland	06808644.6	23 Nov 2006	25 Nov 2005	1962918	27 July 2011
France	06808644.6	23 Nov 2006	25 Nov 2005	1962918	27 July 2011
Germany	06808644.6	23 Nov 2006	25 Nov 2005	1962918	27 July 2011
Japan	2008-541817	23 Nov 2006	25 Nov 2005		
South Korea	10-2008-7015379	23 Nov 2006	25 Nov 2005		
Netherlands	06808644.6	23 Nov 2006	25 Nov 2005	1962918	27 July 2011
Switzerland	06808644.6	23 Nov 2006	25 Nov 2005	1962918	27 July 2011
UK	06808644.6	23 Nov 2006	25 Nov 2005	1962918	27 July 2011
USA	12094180	23 Nov 2006	25 Nov 2005		
	PCT/GB 2011/ 050329	18 February 2011	19 February 2010		
EU	11707214.0	20 Sept 2012	19 February 2010		
USA	13/579809	17 August 2012	19 February 2010		

Know How

All know how relating to microgels to repair, restore or replace soft tissues/load bearing tissues.

SIGNED as a deed by
ANTHONY FREEMONT
In the presence of:

Witness signature:



Name: *STEPHEN FRANCE*

Address: *UMIP, GRAFTON ST, M8 9XX*

Occupation: *BUSINESS MANAGER*

SIGNED by _____)
duly authorised to sign for and on behalf of)
THE UNIVERSITY OF MANCHESTER)

