10/11/2017 504589380

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4636092

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
JEREMY EWAN TURNBULL	11/10/2015
SCOTT ERNEST GUIMOND	11/05/2015
SOPHIE MARIE THOMPSON	02/29/2016
SUSAN CAROL BARNETT	11/09/2015
JENNIFER ROSEMARY HIGGINSON	02/26/2016

### RECEIVING PARTY DATA

Name:	THE UNIVERSITY OF LIVERPOOL
Street Address:	FOUNDATION BUILDING,
Internal Address:	765 BROWNLOW HILL
City:	LIVERPOOL
State/Country:	UNITED KINGDOM
Postal Code:	L69 7ZX
Name:	THE UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW
Name: Street Address:	THE UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW GILBERT SCOTT BUILDING
Street Address:	GILBERT SCOTT BUILDING
Street Address: Internal Address:	GILBERT SCOTT BUILDING UNIVERSITY AVENUE

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14440005

### CORRESPONDENCE DATA

Fax Number: (908)654-7866

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.

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Email: assignment@lernerdavid.com

**Correspondent Name:** LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP

Address Line 1: 600 SOUTH AVENUE WEST

WESTFIELD, NEW JERSEY 07090 Address Line 4:

PATENT

REEL: 043839 FRAME: 0483 504589380

ATTORNEY DOCKET NUMBER:	HGF 3.3-017 (E)
NAME OF SUBMITTER:	MELINDA C. CORMIER
SIGNATURE:	/Melinda C. Cormier/
DATE SIGNED:	10/11/2017
Total Attachments: 5	
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source=Executed Assignment_#page2.tif	
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PATENT REEL: 043839 FRAME: 0484

0.000.000.000.000.0000.0000.0000.0000.0000	Docket Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION	HGF 3.3-017 (E)	
Whereas, I, Jeremy Ewan Turnbuil	of .	
Institute of Integrative Biology, University of Liverpool, Co Kingdom	rown Street, Liverpool, L69 7ZB, United	
hereafter referred to as assignor, have with others invented certe	ain new and useful improvements in	
AGENTS FOR THE PREVENTION AND/OR TREATM		
SYSTEM DAMAGE	<del>-</del>	
x for which an application for a United States Letters Patent was filed on April 30, 2015		
Application Number 14/440,005		
for which an application for a United States Letters Pater	it was executed by me on	
x for which an International Application was filed on	November 1, 2013 , as	
PCT/GB2013/052863 , designating the United	States.	
And 1. The University of Liverpool		
Whereas, 2. The University Court of the University of Gl	wogas	
corporations of United Kingdom herein referred to as "assignee"		
1.Foundation Building, 765 Brownlow Hill, Liverpoo     2.Gilbert Scott Building, University Avenue, Glasgo		
is desirous of acquiring the entire right, title and interest in the sa		
is acknowledged, and other good and valuable consideration, assignee my entire right, title and interest for the United State invention and the aforesaid utility patent application and all of applications and patents applied for or granted therefor in the said invention, including without limitation all applications and patents application pursuant to any law or treaty, an infringement with the right to sue for and collect the same for its legal representatives, and including the right to claim such price. Trademarks is hereby authorized and requested to issue all passid assignee herein, as assignee of the entire interest the representatives, heirs and assignee of the entire interest the representatives, heirs and assignee of the entire interest the representatives, heirs and assignee of the entire interest the representatives, heirs and assignee of the entire interest the representatives, heirs and assignee or its assigns, to communicate thereof to said assignee or its assigns, to communicate the undersigned respecting said improvements, when legal proceedings in which any of said applications or patents in all rightful oaths, and to do generally everything necessary to a obtain patent protection for said improvements in all countries, the and paid by said assignee.	es of America and all other countries in and to said original, divisional, continuation, substitute or reissue. United States of America and all other countries, for attents for said invention claiming priority or benefit of not including all claims for damages by reason of past is own use and the use of its successors, assigns and ority or benefit and the Commissioner of Patents and itents on said improvements or resulting therefrom to nerein; and the undersigned for me and my legal int without further remuneration, to execute and deliver ons for Letters Patent on said improvements and all inicate to said assignee or its representatives all facts ever requested, to testify in any interferences or other may become involved, to sign all lawful papers, make id assignee, its successors, assigns and nominees to the expenses incident to said applications to be borne	
And I do hereby authorize my attorneys to insert on this deed the when known.	e filing date and application number of said application	
10 Nov. 2015	Man CO	
10-11-15		
Date	Seremy Ewan Turnbull	
Witness		
5007 & GUZNOUD		
Typed Name of Witness		

LD-515\

\*Total of

forms are submitted.

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
ACCIDISTRICATION	HGF 3.3-017 (E)
Whereas, I, Scott Ernest Guimond	of
Institute of Integrative Biology. University of Liverpool, Crown Street, Liverpool:, L69 7ZB; United Kingdom	
hereafter referred to as assignor, have with others invented certa AGENTS FOR THE PREVENTION AND/OR TREATM SYSTEM DAMAGE	in new and useful improvements in IENT OF CENTRAL NERVOUS
for which an application for a United States Letters Pate     Application Number 14/440,005	nt was filed on _April 30, 2015
for which an application for a United States Letters Paten	Was averted by me an
x for which an International Application was filed on	
PCT/GB2013/052863 , designating the United	
And	Otates,
The University Of Liverpool     The University Court of the University of Gla	Sweet.
corporations of <u>United Kingdom</u> herein referred to as "assignee"	sgow whose mailing address is
<ol> <li>Foundation Building, 765 Brownlow Hill, Liverpool</li> </ol>	1.69 77X United Kingdom
Gilbert Scott Building, University Avenue, Glasgor is desirous of acquiring the entire right, title and interest in the sar	w G12 8QQ, United Kingdom
is acknowledged, and other good and valuable consideration, I assignee my entire right, title and interest for the United States invention and the aforesald utility patent application and all or applications and patents applied for or granted therefor in the L said invention, including without limitation all applications and patents application pursuant to any law or treaty, and the aforesaid utility application pursuant to any law or treaty, and infringement with the right to sue for and collect the same for its legal representatives, and including the right to claim such prior Trademarks is hereby authorized and requested to issue all pate said assignee herein, as assignee of the entire interest the representatives, heirs and assigns do hereby agree and covenant all original, divisional, continuation, reissue and other application assignments thereof to said assignee or its assigns, to community known to the undersigned respecting said improvements, whenever the said in the said of the said applications or patents may all rightful oaths, and to do generally everything necessary to aid obtain patent protection for said improvements in all countries, the and paid by said assignee.	s of America and all other countries in and to said iginal, divisional, continuation, substitute or reissue thited States of America and all other countries, for tents for said invention claiming priority or benefit of I including all claims for damages by reason of past own use and the use of its successors, assigns and thy or benefit and the Commissioner of Patents and ents on said improvements or resulting therefrom to brein; and the undersigned for me and my legal without further remuneration, to execute and deliver as for Letters Patent on said improvements and all cate to said assignee or its representatives all facts are requested, to testify in any interferences or other assignee, its successors, assigns and nominees to a expenses incident to said applications to be borne
And I do hereby authorize my attorneys to insert on this deed the when known.	filing date and application number of said application
NOVEMBER S AUIS	
Hand Clake	Scatt Ernest Guimond
Hannah Clarke	
Typed Name of Witness	
	***************************************
x *Total of 5 forms are submitted.	

PATENT REEL: 043839 FRAME: 0486

former PTO/SB/15 (8-00) Modified LOLKAM

	Docket Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION	HGF 3.3-017 (E)	
Whereas, I, Sophie Marie Thompson	of of	
Institute of Integrative Biology, University of Liverpool, Crown Street, Liverpool, L69 7ZB, United		
Kingdom hereafter referred to as assignor, have with others invented cert	ain new and useful improvements in	
AGENTS FOR THE PREVENTION AND/OR TREATS SYSTEM DAMAGE	MENT OF CENTRAL NERVOUS	
x for which an application for a United States Letters Patent was filed on April 30, 2015		
Application Number 14/440,005		
for which an application for a United States Letters Pate		
X for which an International Application was filed on	November 1, 2013 , as	
PCT/GB2013/052863 , designating the United	l States:	
And 1. The University Of Liverpool	**************************************	
Whereas, 2. The University Court of the University of G		
corporations of <u>United Kingdom</u> herein referred to as "assignee 1.Foundation Building, 765 Brownlow Hill, Liverpo	ol L69 7ZX;,United Kingdom	
<ol><li>Gilbert Scott Building, University Avenue, Glast</li></ol>	jow G12 8QQ, United Kingdom	
is desirous of acquiring the entire right, title and interest in the s		
NOW, THEREFORE, in consideration of the sum of one is acknowledged, and other good and valuable consideration, assignee my entire right, title and interest for the United Statinvention and the aforesaid utility patent application and all applications and patents applied for or granted therefor in the said invention, including without limitation all applications and the aforesaid utility application pursuant to any law or treaty, a infringement with the right to sue for and collect the same for it legal representatives, and including the right to claim such priorized representatives, and including the right to claim such priorized and requested to issue all position assignee herein, as assignee of the entire interest representatives, helics and assignee of the entire interest assignments thereof to said assignee or its assigns, to communicate the undersigned respecting said improvements, when legal proceedings in which any of said applications or patents all rightful oaths, and to do generally everything necessary to obtain patent protection for said improvements in all countries, and to hereby authorize my attorneys to insert on this deed to	les of America and all other countries in and to salu original, divisional, continuation, substitute or reissue. United States of America and all other countries, for patents for said invention claiming priority or benefit of and including all claims for damages by reason of past its own use and the use of its successors, assigns and bortly or benefit and the Commissioner of Patents and attents on said improvements or resulting therefrom to therein; and the undersigned for me and my legal and without further remuneration, to execute and deliver tions for Letters Patent on said improvements and all unicate to said assignee or its representatives all facts never requested, to leatify in any interferences or other may become involved, to sign all lawful papers, make aid assignee, its successors, assigns and nominees to the expenses incident to said applications to be borne	
when known. 29 Feb 2016	ming date this exploration in the state of t	
Date.	Sophie Marie Thompson	
Witness		
<u>Тиежд's Кусид ∈ A г<sup>3</sup></u> Typed Name of Witness		
Barrer and the second s		

X LD-515\ \*Total of

forms are submitted.

	Docket Number (Optional)
ASSIGNMENT OF UTILITY APPLICATION	HGF 3.3-017 (E)
Whereas, I, Susan Carol Barnett	of
Institute of Infection, Immunity and Inflammation, Colleg University of Glasgow, Sir Graeme Davies Building, 120 United Kingdom	tain new and useful improvements in
AGENTS FOR THE PREVENTION AND/ON THE PREVENT	71
x for which an application for a United States Letters Pa	tent was filed on April 30, 2013
Application Number 14/440,005  for which an application for a United States Letters Pate	ent was executed by me on
X for which an International Application was filed on	November 1, 2013 , as
PCT/GB2013/052863 , designating the Unite	
And  1. The University Of Liverpool  Whereas,  2. The University Court of the University of C	3lasgow
Whereas, 2. The University Count of the University of Corporations of United Kingdom herein referred to as "assigne 1. Foundation Building," 765 Brownlow Hill, Liver 2. Gilbert Scott Building, University Avenue, Glassis desirous of acquiring the entire right, title and interest in the	rpool, L69 7ZX, United Kingdom sgow G12 8QQ, United Kingdom
is acknowledged, and other good and valuable consideration assignee my entire right, title and interest for the United St invention and the aforesaid utility patent application and all applications and patents applied for or granted therefor in the sald invention, including without limitation all applications and the aforesaid utility application pursuant to any law or treaty, infringement with the right to sue for and collect the same for legal representatives, and including the right to claim such if trademarks is hereby authorized and requested to issue all said assignee herein, as assignee of the entire interest representatives, heirs and assigns do hereby agree and cover all original, divisional, continuation, reissue and other applications thereof to said assignee or its assigns, to come known to the undersigned respecting said improvements, whilegal proceedings in which any of said applications or patental rightful oaths, and to do generally everything necessary to obtain patent protection for said improvements in all countries and paid by said assignee.  And I do hereby authorize my attorneys to insert on this deed when known.  Solution of the continuation of the said applications of the patent protection for said improvements in all countries and paid by said assignee.  Witness  Witness  Witness	I original, divisional, continuation, substitute or reissume United States of America and all other countries, for patents for said invention claiming priority or benefit and including all claims for damages by reason of pair its own use and the use of its successors, assigns are priority or benefit and the Commissioner of Patents are patents on said improvements or resulting therefrom therein; and the undersigned for me and my leganant without further remuneration, to execute and delivity cations for Letters Patent on said improvements and improvements are presented in the improvements are presented in the improvements and improvements are presented in the improvements and improvements are presented in the improvements are presented in the improvements are presented in the improvement are presented in the improvement are presented in the improvement and improv
x *Total of 5 forms are submitted.	
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**PATENT** 

REEL: 043839 FRAME: 0488

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A MARKATAN ATTENTION OF THE STORES STORES AND A MARKATAN AND A MAR	Docket Number (Optional)
ASSIGNMENT OF UTILITY APPLICATION	HGF 3.3-017 (E)
Whereas, I, _Jennifer Rosemary Higginson	of
Institute of Infection, Immunity and Inflammation, College University of Glasgow, Sir Graeme Dayles Building, 120 United Kingdom	
hereafter referred to as assignor, have with others invented certs AGENTS FOR THE PREVENTION AND/OR TREATM SYSTEM DAMAGE	
X for which an application for a United States Latters Pate Application Number 14/440,005	ant was filed on April 30, 2015
for which an application for a United States Letters Paten	t was executed by me on
X for which an International Application was filed on	New restaurant control of the contro
PCT/GB2013/052863 , designating the United	
And 1. The University Of Liverpool	
Whereas, 2. The University Court of the University of Gla	asgow
corporations of United Kingdom, herein referred to as "assignee"	whose mailing address is
Foundation Building, 765 Brownlow Hill, Liverpo     Gibert Scott Building, University Avenue, Glasge	
is desirous of acquiring the entire right, title and interest in the sa	
NOW, THEREFORE, in consideration of the sum of one is acknowledged, and other good and valuable consideration, it assignee my entire right, title and interest for the United State invention and the aforesald utility patent application and all of applications and petents applied for or granted therefor in the said invention, including without limitation all applications and pathe aforesald utility application pursuant to any law or treaty, an infringement with the right to sue for and collect the same for its legal representatives, and including the right to claim such priod trademarks is hereby authorized and requested to issue all passid assignee herein, as assignee of the entire interest the representatives, heirs and assigns do hereby agree and covenar all original, divisional, continuation, reissue and other application assignments thereof to said assignee or its assigns, to communication to the undersigned respecting said improvements, where legal proceedings in which any of said applications or patents in all rightful oaths, and to do generally everything necessary to all obtain patent protection for said improvements in all countries, it and paid by said assignee.	es of America and all other countries in and to said riginal, divisional, continuation, substitute or release United States of America and all other countries, for atents for said invention claiming priority or benefit of id including all claims for damages by reason of past own use and the use of its successors, assigns and rity or benefit and the Commissioner of Patents and tents on said improvements or resulting therefrom to terein; and the undersigned for me and my legal at without further remuneration, to execute and deliver ons for Letters Patent on said improvements and all sloate to said assignee or its representatives all facts over requested, to teetify in any interferences or other has become involved, to sign all lawful papers, make d assignee, its successors, assigns and nominees to
And I do hereby authorize my altomeys to insert on this deed the when known. 26 Fe. 2016 26/02/16	11/11
Date	Jennifer Rosemary Higginson
Part D. Neith Witness	
Paul O'Neill	
X *Total of 5 forms are submitted,	

PATENT REEL: 043839 FRAME: 0489

LD-5151