502609772 12/19/2013

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2656211

SUBMISSION TYPE:		NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT OF ONE-THIRD INTEREST				
CONVEYING PARTY	′ DATA					
			Name	Execution Date	1	
GEOFF DESMOULI	N			06/02/2009	j	
RECEIVING PARTY	DATA					
Name:	UNIVERSITY	UNIVERSITY OF CALGARY				
Street Address:	2500 UNIVER	SITY D	RIVE N.W.		j	
City:	CALGARY					
State/Country:	CANADA					
Postal Code:	T2N 1N4					
Property Type		12/22	Number 13433820			
Application Number:		13433	820		<u></u>	
CORRESPONDENC	E DATA					
Fax Number:	(604)688-64	145			
Phone:)688-64				
Email:			onip.com the email attempt is unsuccessful.			
Correspondent Name		IERON				
Address Line 1:			ALBERNI STREET			
Address Line 4:	VAN	COUVE	ER, CANADA V6E 3Z3			
ATTORNEY DOCKET NUMBER:			5389P04US			
NAME OF SUBMITTER:		ALICE LIN				
Signature:		/Alice Lin/				
Date:		12/19/2013				
Total Attachments: 4 source=Assignment_ source=Assignment_ source=Assignment_ source=Assignment_	Desmoulin#page2.t Desmoulin#page3.t	iif iif				

GRADUATE STUDENTSHIP AGREEMENT

Resear	ch Services File:	1014691
Princip	al Investigator:	Dr. Christopher Hunter
Gradua	ite Employee:	Geoff Desmorlin
Gradua	ite Employee UCID:	
Gradua	ite Employee Address:	
Solution entitled under the fulfils it	n International Corporal d "Optimal Mechanics fo the direction and supervi	University") entered into a Research Agreement with Optima Health clon (the "Sponsor") effective for conduct of a research project r Biosynthesis (Design, Build, Validate & Experiment)" (the "Research") sion of Dr. Christopher Hunter. In order to ensure that the University sor in respect to the Research, it is necessary for you to enter into this not with the University.
	tment as a Graduate Stud	ole consideration received from the University, including your dentship Holder for the Research, you agree to the following terms and
1.		You will be responsible to Dr. Christopher Hunter , the Principal etermine your duties and responsibilities.
2.	participation in the Rese Information (as defined for purposes other than to the Research. Except Information in any man	on - You recognize and acknowledge that in the course of your earch, you may Develop or gain access to certain Confidential in Section 7). You shall not use any Confidential Information at any time performing your duties as a Graduate Studentship Holder with respect as set out in Section 3, you shall not disclose any Confidential ner at any time to any individual or entity who is not bound to us with the University similar to the ones imposed by this Agreement.
	At the conclusion of you	r research as a Graduate Studentship Holder:
	a) you shall return all co	pies of Confidential Information to the Principal Investigator;
		to use and disclose all general experiences, learning and training so long onfidential information; and
		interview with the Principal Investigator to clarify what Confidential restrained from using or disclosing.
		8 %

- 3. Publications You may publish the results of your research as a Graduate Studentship Holder in the form of a thesis. In accordance with the policies of the University, you shall own the copyright in your thesis and you shall have the right to publish your thesis, subject to the following limitations:
 - a) you will work with the Principal Investigator to reasonably modify the disclosure of Confidential Information in the thesis so that the amount of Confidential Information is minimized; and
 - b) you agree to delay publication of your thesis for up to two years from the date of your thesis defense. The University may waive this requirement at the University's discretion.

You may publish the results of your research as a Graduate Studentship Holder in other publications or presentations. You shall submit your proposed publication or presentation to the Principal Investigator for review. You may be asked to modify the document to avoid any disclosure of Confidential Information and you agree to comply with all such reasonable requests.

- 4. Innovations You acknowledge that in the course of acting as a Graduate Studentship Holder you may Develop Innovations (as defined in Section 7). You shall promptly disclose to the Principal Investigator any and all Innovations that you participate in developing in the course of your duties as a Graduate Student with respect to the Research, or within six months following the termination of your working on the Research. Any Intellectual Property Rights (as defined in Section 7) to all Innovations shall be the sole property of the University and you hereby assign and agree to assign to the University your entire right and interest in all Intellectual Property Rights to Innovations that you participate in Developing.
- 5. Intellectual Property Rights You shall give the University the assistance necessary for the University to obtain and maintain for its benefit patents and any other form of Intellectual Property Right in any and all countries selected by the University. This will include any assistance necessary for the University to transfer its ownership of Intellectual Property Rights the Sponsor of the Research. You hereby appoint the University as your agent and attorney to act for and on your behalf to execute and file any such documents as may be necessary to give effect to this assignment of Intellectual Property Rights and to do all other related and lawfully permitted acts with the same legal force and effect as if executed by you.
- 6. Prior Research If you are basing the research you will perform as part of the Research on work you may have performed prior to being assigned to the Research, you must bring this to the attention of the Principal Investigator so that you and the University can reach agreement on the ownership or protection of prior work.

- 7. Definitions The following definitions shall apply within this Agreement:
- (a) "Confidential Information" means information you develop or gain access to in the course of your participation in the Research, which information is of a confidential or secret nature and that may be related to the Research including, without limitation, methods of doing business, research and development, algorithms, trade secrets, computer programs, technical information, processes, developments, inventions, marketing plans and procedures, strategies and forecasts. Confidential Information will not include information which:
 - (i) was already known to you at the date of disclosure, without an obligation of confidentiality;
 - (ii) is or becomes generally available in the public domain or literature through no fault of yours;
 - (iii) is or becomes available on a non-confidential basis from an independent third party, provided, that to your knowledge such information was given without restriction on disclosure; or
 - (iv) is independently developed or derived from public information; or
 - (v) is required to be disclosed by law, to the extent so required.

The phrase public domain shall mean readily accessible to the public in a written publication, and shall not include information which is only available by substantial searching of the published literature, and information the substance of which must be pieced together from a number of different publications and sources.

- (b) "Develop", "Developed", "Developing" means conceive, invent, reduce to practice, create, produce, reproduce or develop and doing any activity that results in anything, work or information of any sort, that is capable of being protected by one or more intellectual Property Right;
- (c) "Innovation" means any and all technology, innovation or specialized know-how of any sort capable of being protected by one or more Intellectual Property Right; and
- (d) "Intellectual Property Right" means any right existing from time to time under patent law, copyright law, industrial design law, moral rights law, trade secret law, semi-conductor chip protection law, trademark law, unfair competition law and any other similar law.
- Assignment to the Research You acknowledge that you would not have been assigned to the Research if you had not agreed to execute this Agreement.

	PAT	ENT		
REEL:	031866	FRAN	1E: (0357

interpretation of this Agreement and its	ad the opportunity to obtain legal advice concerning effect on you.
nis Agreement is signed effective the da	y of
ATA .	
<i>III</i> .	
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ojett employee	Date
CATO (ST	June Z 2009
. Christopher Kinter, Principal Investigator	Date
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9. Review - You acknowledge that you have had sufficient time to review this Agreement. You