Apr. 19. 2013 3:12PM Black Hills IP

No. 1385 P. 5

RECORDATION FORM COVER SHEET PATENTS ONLY

Patent and Trademark Office Atty Ref/Docket No.: 600.797US1 To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): Name of conveying party(ies): Name: Regents of the University of Minnesota Meri Firpo, Zhaohui Geng Street Address: 1000 Westgate Drive Suite 160 Additional name(s) of conveying party(ies) attached? City: <u>St. Paul</u> State: <u>MN</u> Zip: <u>55114-8658</u> Country: <u>United States of America</u> []Yes [X]No 3. Nature of conveyance: Additional name(s) & address(es) attached? []Yes [X]No [] Merger [X] Assignment [] Security Agreement[] Change of Name [] Other Execution Date: February 8, 2013, February 8, 2013 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: B. Patent No.(s) A. Patent Application No.(s) Serial No. 13/702,031, filed December 4, 2012 Additional numbers attached? []Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence 7. Total fee (37 CFR 3.41):\$ 40.00 concerning document should be mailed: Name: Monique M. Perdok Shonka []Enclosed [X]Authorized to be charged to deposit account Address: 19-0743 Schwegman, Lundberg & Woessner, P.A. 8. Please charge any additional fees or credit any over P.O. Box 2938 payments to our Deposit Account No.: 19-0743 Minneapolis, MN 55402--0938 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. April 19, 2013 Mongue U. Krdsk Shonka, Signature Monique M. Perdok Shonka/Reg. No. 42,989 Date Name of Person Signing Total number of pages including cover sheet: 5

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks Mail Stop Assignment Recordation Services P.O. Box 1450 Alexandría, VA 22313-1450

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Mar. 13. 2013 4:40PM Black HillsIP	Nc. 0400 P. 2/6
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 Name of conveying party(ies): 	2. Name and address of receiving party(ies):
Meri Firpo, Zhaohul Geng	Name: Regents of the University of Minnesota
Additional name(s) of conveying party(ies) attached?	Street Address: 1000 Westgate Drive Suite 160
[]Yes [X]No	City: St. Paul State: MN Zip: 55114-8658
3. Nature of conveyance:	Country: United States of America
[X] Assignment [] Merger	Additional name(s) & address(es) attached? { }Yes [X]No
[] Security Agreement[] Change of Name	
[] Other	•
Execution Date: February 8, 2015, February 8, 2015	
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 If this document is being filed together with a new application No.(s) Serial No. 13/702,031, filed December 4, 2012 Additional numbers attached? []Yes [X]No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Monique M. Perdok Shonka Address: Schwegman, Landberg & Woessner, P.A. P.O. Box 2938 	 B. Patent No.(5) 6. Total number of applications and patents involved; J. 7. Total fee (37 CFR 3.41):\$ 40.00 []Buclused []Buclused [X]Authorized to be charged to deposit account (9-0743) 8. Picase charge any additional fees or credit any over
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Apr. 19. 2013 3:13PM Black Hills IP

Attorney Docket No. 600.797US1 Client Ref. No. 20160245: UM20120468

ASSIGNMENT

WHEREAS, Meri Firpo and Zhaohui Geng (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention") which are described in a patent application filed on December 4, 2012, which application was assigned US patent application serial number 13/702,031, and which is titled PRODUCTION OF INSULIN PRODUC NG CELLS; which are described in a patent application filed on June 17, 2011, which application was assigned PCT application serial number PCT/US2011/040956, and which is titled PRODUCTION OF INSULIN PRODUCTION Serial number 61/355,916, and which is titled INDUCED PLURIPOTENT STEM CELL-DERIVED INSULIN-PRODUCING CELLS AND USES THEREOF.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSPER to Regents of the University of Minnesota (the "Assignce"), a corporation of the State of Minnesota, having a place of business at 1000 Westgate Drive, Suite 160, St. Paul, MN 55114-8658, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the Invention which is disclosed in the above-identified application or applications;

such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a potent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such Invention (including any application for a utility model or an innovation patent application);

all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such invention;

including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the aboveidentified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such Invention to the Assignee;

PATENT REEL: 030258 FRAME: 0655

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No. 1385 P. 7

Assignment	
Assigners: Meri	Firpo et al.
THE PRODUC	TION OF INSULIN PRODUCING CULLS
Page 2 of 3	

Deeker No: 660,7921 81 Client Ref. No. 20160245; UM20120168

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 21186 may (directly or through his/her designee) delete, insert, or alter any information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shail (1) execute all provisional, non-provisional, divisional, continuing (including continuation-In-part), substitute, renewal, reissue, and all other patent applications for the Invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the Invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for the Invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such Invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions. To the extent that any such provision is found to be unenforceable, the Undersigned, when requested and without compensation shall act in good faith to substitute for such provision a new provision with content and purpose as close as possible to the provision deemed unenforceable.

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominces of the Assignee.

AGREED as of the date of my signature below:

Apr. 19. 2013 3:14PM Black Hills IP

No. 1385 P. 8

Docket No. 668 (1970S). Chent Ref. No. 2010/225, UX20(2040).

Assignment Assigners: Meri Firpo et al. Fine - PRODUCTION OF INST LIN PRODUCING CELLS. Page 3 of 3

Assignor:

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(Signature):		~	2ns
	Name:	<u>Meri Firpo</u>)

City/State: MInneapolis, MN

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Date: 2815

PATENT REEL: 030258 FRAME: 0657

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Assignment Assignets: Med Piryo et al. File - PRODUCTION OF INSULTS PRODUCTING CFLUS Page 4 of 4

Assignor:

haok -L. (Signature): Name: Zhaohul Geng

City/State: New Brighton, MN

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Date: 218/13

Docket No. 665 797083 Chem Ref. No. 26062451 UN2010056