504812026 03/09/2018

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT | |
|-----------------------|-------------------------|--|
| NATURE OF CONVEYANCE: | CONFIRMATORY ASSIGNMENT | |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| NIELS GEIJSEN | 06/09/2017 |

RECEIVING PARTY DATA

| Name: | KONINKLIJKE NEDERLANDSE AKADEMIE VAN WETENSCHAPPEN | |
|-------------------|--|--|
| Street Address: | C/O HUBRECHT INSTITUTE | |
| Internal Address: | UPPSALALAAN 8 | |
| City: | UTRECHT | |
| State/Country: | NETHERLANDS | |
| Postal Code: | NL-CT 3584 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14914528 |

CORRESPONDENCE DATA

Fax Number: (617)646-8646

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.

Phone: 617-646-8000

Email: patents meghanA@wolfgreenfield.com

Correspondent Name: MEGHAN ADAMS

Address Line 1: WOLF, GREENFIELD & SACKS, P.C.

Address Line 2: 600 ATLANTIC AVENUE

Address Line 4: BOSTON, MASSACHUSETTS 02210

| ATTORNEY DOCKET NUMBER: | C0973.70011US00 |
|-------------------------|-------------------|
| NAME OF SUBMITTER: | MEGHAN S. ADAMS |
| SIGNATURE: | /Meghan S. Adams/ |
| DATE SIGNED: | 03/09/2018 |

Total Attachments: 6

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CONFIRMATORY ASSIGNMENT

PARTIES:

- (1) Niels GEIJSEN, having a mailing address of Hubrecht Institute, Uppsalalaan 8, Utrecht, 3584 CT, The Netherlands (the "ASSIGNOR")
- (2) KONINKLIJKE NEDERLANDSE AKADEMIE VAN WETENSCHAPPEN, an organisation duly organized under and pursuant to the laws of The Netherlands and having its principal place of business at Kloveniersburgwal 29, 1011JV, Amsterdam, The Netherlands, and a mailing address at c/o Hubrecht Institute, Uppsalalaan 8, Utrecht, 3584 CT, The Netherlands (the "ASSIGNEE")

RECITALS:

- A. The ASSIGNEE is the applicant in respect of the patent applications in the Schedule (the "APPLICATIONS").
- B. The ASSIGNOR is an inventor in respect of an invention the subject of the APPLICATIONS (the "INVENTION").
- C. The ASSIGNOR'S contribution to the INVENTION was made in circumstances such that the ASSIGNEE was entitled to and owner of all the ASSIGNOR's rights in the INVENTION (including the APPLICATIONS, the right to file the APPLICATIONS in the ASSIGNEE's name and all other related intellectual property rights).
- D. The parties have agreed to execute this Confirmatory Assignment for the purpose of confirming the ASSIGNEE's title to all the ASSIGNOR'S rights in the INVENTION (including the APPLICATIONS, the right to file the APPLICATIONS in the ASSIGNEE's name and all other related intellectual property rights).

OPERATIVE TERMS:

1. Assignment

In consideration of 10€ (ten Euros) and other good and valuable consideration the receipt and sufficiency of which are hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby confirms the ASSIGNEE's ownership of and insofar as necessary hereby assign with full title guarantee to the ASSIGNEE absolutely and free from all liens, charges, licences and encumbrances and the ASSIGNEE hereby confirms its acceptance of and hereby accepts all the ASSIGNOR'S entire property right, title and interest anywhere in the world in and to the INVENTION including without limitation:

- (a) the APPLICATIONS, any parent patent applications and all patent applications and patents which may now or at any time in the future derive or claim priority from any thereof or otherwise relate to the INVENTION including all divisionals, continuations, reissues, extensions, renewals and registrations in relation to any thereof and all and any other rights in the INVENTION (the "PATENT RIGHTS");
- (b) the right to file the APPLICATIONS in the ASSIGNEE's name;
- (c) the benefit of all priority rights;
- (d) the right to seek and obtain registrations in other countries;

- (e) all other intellectual property rights and know-how including without limitation any copyrights and design rights (whether or not registrable) relating in any way to the INVENTION;
- (f) the right to sue for and obtain injunctive relief, damages and all other relief in respect of any infringement or misuse (whether past, present or future) of any of the rights hereby transferred.

2. Covenants

The ASSIGNOR covenants with the ASSIGNEE as follows:

- (a) that they have not done or omitted to do any act or thing whatsoever whereby any patents or other intellectual property rights relating to the INVENTION might be invalidated or otherwise prejudicially affected or the due performance of this Agreement hindered or prevented;
- (b) that they have not given any permission to any third party to use the INVENTION and have not otherwise assigned or granted to any third party any rights in or under the INVENTION (including the PATENT RIGHTS).

3. Further Assurance

- 3.1 The ASSIGNOR agrees to execute any further documents and do all things at the ASSIGNEE's expense which the ASSIGNEE may reasonably require in order to vest in the ASSIGNEE (or the ASSIGNEE's successors in title or nominees as the case may be) all property rights, title and interests intended to be assigned transferred or granted to the ASSIGNEE hereunder (including the PATENT RIGHTS) and to give the ASSIGNEE the full benefit of this Agreement including doing all acts which may be necessary or desirable in connection with:
- (a) the prosecution of the APPLICATIONS and the filing and prosecution of any further patent applications anywhere in the world and obtaining grant in relation thereto;
- (b) protecting and enforcing the APPLICATIONS and any patents or patent applications and other intellectual property rights relating to the INVENTION;
- (c) recording any such patent applications, patents and other rights in the name of the ASSIGNEE or the ASSIGNEE's successors in title or nominees as sole applicant or registered proprietor as the case may be;
- (d) assisting in the resolution of any question concerning the INVENTION or any of the PATENT RIGHTS.
- 3.2 The ASSIGNOR hereby authorises the officers from time to time of the ASSIGNEE to do or authorise the doing of all such acts (including the signing of all such documents) on behalf of the ASSIGNOR as the ASSIGNEE may consider appropriate for the purpose of giving effect to the provisions of clause 3.1.

4. <u>Counterparts</u>

This Confirmatory Assignment may be executed in any number of counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

5. <u>Law</u>

This Confirmatory Assignment shall be governed by and construed and take effect in accordance with English Law.

IN WITNESS of which the parties have executed and delivered this Confirmatory Assignment as a Deed and in the case of the ASSIGNEE by authorised officers effective on the date of the later of the parties' signatures.

| EXECUTED AND DELIVERED AS A DEED B | y Niels GEIJSEN: |
|------------------------------------|--|
| Signature: | |
| Date: June 9, 2017 | 14/ |
| WITNESSED BY |) 1 |
| Name: |) Veroen den Hertog, PhD |
| Address: |)Uppsalalaan 8 3584 CT Utrecht) |
| Occupation: |) Adjunct Director Hubrecht Institute |
| Nationality: |) Dutch |

EXECUTED AND DELIVERED AS A DEED by KONINKLIJKE NEDERLANDSE AKADEMIE VAN WETENSCHAPPEN:

| For and on behal | fof |) ' |
|------------------|-------------------|---|
| KONINKLIJK | E NEDERLANDSE |) 8 |
| AKADEMIE | VAN WETENSCHAPPEN | |
| SIGNED by | |) 4 1 |
| Name: | | Jeroen den Hertog, PhD |
| Title: | |) Adjunct Director Hubrecht Institute -KNAW |
| Date: | |) (une 9, 2017 |
| SIGNED by | | 1 2 |
| Name: | | Philip van der Heijden |
| Title: | |) Head, KNAW knowledge transfer office |
| Date: | |) June 9, 2017 |
| | | |
| | | |
| WITNESSED BY | ď |)Julie |
| Name: | |) Julie Schouten |
| Address: | |) Uppsalalaan 8 3584CT Utrecht, The Netherlands) |
| Occupation: | |) Research Technician |
| Nationality: | |) Dutch |

Schedule

| Country | Application No. | Filing Date | Publication Date/ Publication No. |
|-------------|-------------------|-------------|--------------------------------------|
| Australia | 2014313782 | 28.08.2014 | 17.03.2016 / AU2014313782 |
| Canada | 2922391 | 28.08.2014 | 05.03.2015 / CA2922391 |
| China | 201480056061.8 | 28.08.2014 | 01.06.2016 / CN105637093 |
| Europe | 14784521.8 | 28.08.2014 | 06.07.2016 / EP3039148 |
| Hong Kong | 16114252.6 | 28.08.2014 | _ |
| India | 201627007230 | 28.08.2014 | - |
| Israel | 244311 | 28.08.2014 | - |
| Japan | 2016-537417 | 28.08.2014 | _ |
| Korea | 10-2016-7008225 | 28.08.2014 | 20.05.2016 / KR20160056899 |
| Mexico | MX/a/2016/002571 | 28.08.2014 | - |
| New Zealand | 717784 | 28.08.2014 | |
| Singapore | 11201601433T | 28.08.2014 | 30.03.2016/ SG11201601433T |
| PCT | PCT/IB2014/064127 | 28.08.2014 | 05.03.2015/ WO2015028969 |
| PCT | PCT/EP2016/079294 | 30.11.2016 | - |
| U.K. | 1315321.8 | 28.08.2013 | - |
| U.K. | 1521101.4 | 30.11.2015 | - |
| U.S. | 14/914528 | 28.08.2014 | 22.09.2016/ US2016273001 |

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