

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4971501

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
STUART ALEXANDER COOK	02/28/2017
RECEIVING PARTY DATA	
Name:	NATIONAL UNIVERSITY OF SINGAPORE
Street Address:	21 LOWER KENT RIDGE ROAD
City:	SINGAPORE
State/Country:	SINGAPORE
Postal Code:	119077
Name:	SINGAPORE HEALTH SERVICES PTE LTD
Street Address:	31 THIRD HOSPITAL AVENUE, #03-03
Internal Address:	BOWYER BLOCK C
City:	SINGAPORE
State/Country:	SINGAPORE
Postal Code:	168753
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15381622
CORRESPONDENCE DATA	
Fax Number:	(617)646-8646
<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:	617-646-8000
Email:	patents_AmyM@wolfgreenfield.com
Correspondent Name:	AMY J. MCMAHON
Address Line 1:	600 ATLANTIC AVENUE
Address Line 2:	WOLF GREENFIELD
Address Line 4:	BOSTON, MASSACHUSETTS 02210
ATTORNEY DOCKET NUMBER:	M0546.70012US00
NAME OF SUBMITTER:	AMY J. MCMAHON
SIGNATURE:	/Amy J. McMahon/

DATE SIGNED:	05/22/2018
---------------------	------------

Total Attachments: 6

source=M054670012US00-CASI-COOK-AM#page1.tif

source=M054670012US00-CASI-COOK-AM#page2.tif

source=M054670012US00-CASI-COOK-AM#page3.tif

source=M054670012US00-CASI-COOK-AM#page4.tif

source=M054670012US00-CASI-COOK-AM#page5.tif

source=M054670012US00-CASI-COOK-AM#page6.tif

ASSIGNMENT OF INVENTION & PATENT RIGHTS

Parties

- (1) **COOK, STUART ALEXANDER** of 6 Sunset Square, Clementi Park, 597304 Singapore, Singapore (the "Inventor");
- (2) **NATIONAL UNIVERSITY OF SINGAPORE** a company incorporated under the laws of Singapore with CRN/UEN: 200604346E whose registered office is at is at 21 Lower Kent Ridge Road, 119077 Singapore ("NUS"); and
- (3) **SINGAPORE HEALTH SERVICES PTE LTD** incorporated and registered in Singapore with CRN/UEN: 200002698Z whose registered office is at 31 Third Hospital Avenue, #03-03, Bowyer Block C, 168753 Singapore, Singapore ("SingHealth");

each of NHCS and NUS an "Employer" and together the "Employers" as context may indicate.

Background

- A. The Inventor and the Employers believe that, either by operation of law, Intellectual Property Policy or by virtue of an agreement entered into by the Inventor and the Employers before the making of the Invention, the Employers were, at the time the Invention was made, jointly entitled to an equal share in the property in the contributions of the Inventor to the Invention.
- B. In order to ensure, and to provide documentary evidence that NUS and SingHealth are the joint owners of the legal and beneficial interest in all the rights, title and interest in, to and arising from the Invention and the Patent Applications, the parties have agreed to execute this Assignment.

Agreed terms

1. Definitions

The definitions in this clause apply in this Assignment.

"Completion Application" means the completion patent application, short particulars of which are set out in Part 2 of the Schedule.

"Invention" means the invention entitled TREATMENT OF FIBROSIS, IL-11 ANTIBODIES, IL-11RA ANTIBODIES and DECOY CYTOKINE RECEPTOR being the subject matter of the Priority Application.

"Patent Applications" means the Priority Application, the Completion Application and any future applications linked by one or more priorities to the Priority Application or the Completion Application and all matter contained in such applications and any and all:

- (a) national and regional phase applications of all such applications; and
- (b) divisions, continuations and continuations-in-part of all such applications; and
- (c) patents that may be granted pursuant to any of the aforesaid applications for their full period, including any re-issues, re-examinations, renewals, extensions and Supplementary Protection Certificates.

"Priority Applications" means the priority patent applications, short particulars of which are set out in Part 1 of the Schedule.

2. Assignment

In consideration of the sum of S\$ 1 SGD (sufficiency and receipt of which the Inventor expressly acknowledges), the Inventor hereby assigns jointly and absolutely to the Employers all his right, title and interest in all countries, regions and territories of the world in, to and arising from the Invention and, with effect from immediately prior to the filing of each, the Patent Applications, including (but not limited to):

- (a) in respect of the Invention and any invention that shall be disclosed in, and all matter that shall be contained in, any of the Patent Applications, the right to file applications, claim priority from such applications, and prosecute and obtain grant of patent or other intellectual property protection in respect of any country, region or territory in the world;
- (b) in respect of each and any Patent Application:
 - (i) the right to claim priority from and to prosecute and obtain grant of patents; and
 - (ii) the right to file divisional applications based on the Patent Applications and to prosecute and obtain grant of patent on each and any such divisional application;
- (c) the right to extend to, or register in or in respect of any country, region or territory in the world, each and any of the Patent Applications and to extend to or register in, or in respect of, any country, region or territory in the world any patent or other intellectual property protection granted on any of such applications;
- (d) the absolute entitlement to any patents granted pursuant to any Patent Application; and

- (e) the right to bring, make, oppose or defend claims or actions, appeal proceedings and obtain relief (and to retain any damages recovered) in respect of any infringement, or any other cause of action arising from ownership, of the Inventions and the Patent Applications, whether occurring before on or after the date of this Assignment.

3. Further assurance

The Inventor shall, at the shared cost of the Employers, perform all further acts and things, and execute all further documents, required by law or which the Employers request to vest in the Employers the full benefit of the right, title and interest assigned to the Employers under this Assignment, including (but not limited to):

- (a) documents required to be signed by or on behalf of the Inventor or the Employers in the course of any applications which relate to the Invention or to any inventions that shall be disclosed in any of the Patent Applications;
- (b) registration of the Employers as joint applicants for, or joint proprietors of, the Patent Applications; and
- (c) assisting the Employers in obtaining, defending and enforcing any of the Patent Applications, and assisting with any other proceedings which may be brought by or against the Employers or by or against any third party, or in the resolution of any question concerning the Invention, or the Patent Applications or any inventions that shall be disclosed in any of the Patent Applications.

4. Right to amend the Schedule

The Inventor and the Employers grant the firm of Mewburn Ellis LLP the right to insert in Part 2 of the Schedule to this Assignment any further identification of any existing or future patent applications in any countries, regions or territories of the world, which shall fall within the scope of clause 2 above, or as may be necessary or desirable in order to comply with the rules of a patent office for the recordal of this Assignment.

5. Counterparts

This Assignment may be executed in any number of counterparts, each of which when executed shall constitute an original of this Assignment, but all the counterparts shall together constitute the same agreement.

Assignment of inventions, PCT/EP2016/081430, 15/381622, GB1621446.2, GB1621439.7, GB1621431.4 RIC/FP; 7230618, 7238686, 7238694, 7238801 & Fibrosis, IL-11 antibodies, IL-11R antibodies, Decoy Receptor

6. Governing law and jurisdiction

This Assignment is governed by the laws of the Republic of Singapore and subject to the exclusive jurisdiction of its courts.

Schedule: The Patent Applications

Part 1: Priority Application

Country	Application No.	Application Date	Title
GB	1522186.4	16/12/2015	TREATMENT OF FIBROSIS
GB	1621446.2	16/12/2016	IL-11 ANTIBODIES
GB	1621439.7	16/12/2016	IL-11RA ANTIBODIES
GB	1621431.4	16/12/2016	DECOY CYTOKINE RECEPTOR


Part 2: Completion Application

Country/region	Application No.	Application Date	Title
WO	PCT/EP2016/081430	16/12/2016	TREATMENT OF FIBROSIS
US	15/381622	16/12/2016	TREATMENT OF FIBROSIS

Part 3: Identification of some, but not necessarily all, patent applications falling within the scope of clause 2 of this Assignment

Country/region	Application No.	Application Date	Title	Signature for Mewburn Ellis LLP

Executed by **STUART ALEXANDER COOK**


Prof Stuart A. Cook
Director, ASHRS
National Heart Centre Singapore

in the presence of:


SIGNATURE OF INVENTOR

SIGNATURE OF WITNESS

NAME: Sebastian Schaten
ADDRESS: 76 Shenton Way, 079115 Singapore
OCCUPATION: Senior Research Fellow
DATE: 28/2/17

Executed by the **NATIONAL UNIVERSITY OF SINGAPORE** acting by

Prof Thomas Coffman, an authorised representative, in the presence of:

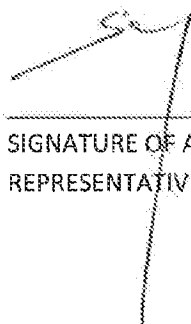

SIGNATURE OF AN AUTHORISED REPRESENTATIVE
Thomas M. COFFMAN M.D.
Dean
Duke-NUS Medical School

SIGNATURE OF WITNESS

NAME: Cynthia Chew
ADDRESS: 8 College Road, S(169857)
OCCUPATION: Executive
DATE: 2 May 2017

Executed by **SINGAPORE HEALTH SERVICES PTE LTD** acting by

_____, an authorised representative, in the presence of:


ENNY KIESWORD
Chief Operating Officer, Research
SINGAPORE HEALTH SERVICES PTE LTD
SIGNATURE OF AN AUTHORISED REPRESENTATIVE

SIGNATURE OF WITNESS

NAME: _____
ADDRESS: Koh Choon Heng
Assistant Director
Sing Health Intellectual Property (SHIP)
Singapore Health Services Pte Ltd
OCCUPATION: _____
DATE: 2 May 2017

Patent Office
Patent Office

Patent Office
Patent Office