#### 504764742 02/06/2018

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4811470

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
IAIN MCCULLOCH	12/08/2017
IAIN MEAGER	01/08/2018
BOB SCHROEDER	12/19/2017

### **RECEIVING PARTY DATA**

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City:	LONDON	
State/Country:	UNITED KINGDOM	
Postal Code:	SW7 2AZ	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15324548

### CORRESPONDENCE DATA

Fax Number: (703)413-2220

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: (703) 413-3000 Email: skim@oblon.com **Correspondent Name:** OBLON, ET AL. Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	480718US
NAME OF SUBMITTER:	HANA KIM
SIGNATURE:	/HANA KIM/
DATE SIGNED:	02/06/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

#### **Total Attachments: 3**

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> **PATENT** REEL: 044842 FRAME: 0318 504764742

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1. 76) AND ASSIGNMENT

Title of Invention	THIENOTHIOPHENE-ISOINDIGO
As the below r	named inventor, I hereby declare that:
This declaration	n [] The attached application, or
is directed to:	<ul><li>[X] United States application or PCT international application number PCT/IB2015/055118 filed on 07th July 2015</li></ul>
The above-ide	ntified application was made or authorized to be made by me.
I believe that I	am the original inventor or an original joint inventor of a claimed invention in the application.
Kingdom, (hereinafter re is desirous of	riperial College London having places of business at: Exhibition Road, London SW7 2AZ, United eferred to as "ASSIGNEE(S)") acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent granted therefore in the United States and its territorial possessions and in any and all foreign
NOW, THE acknowledged the said inven to claim priori Arrangements Patent which i	EREFORE, for good and valuable consideration the receipt and sufficiency of which is hereby it. It. by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right to tion in the United States and its territorial possessions and in all foreign countries (including the right truly under the terms of the International Convention and other relevant International Treaties and from the aforesaid application) and the entire right, title and interest in and to any and all Letters may be granted therefor in the United States and its territorial possessions and in any and all foreign in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.
any and all fo the assignee ASSIGNEE(S	thorize and request the Patent Office Officials in the United States and its territorial possessions and reign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as of my entire right, title and interest in and to the same, for the sole use and behoof of said its (his) successors and assigns, to the full end of the term for which said Letters Patent may be ally and entirely as the same would have been held by me had this Assignment and sale not been
respecting sa continuation, said all of said everything po	gree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me id invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any d Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do ssible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper said invention in the United States and its territorial possessions and in any and all foreign countries.
I hereby as 1001 by fine o	cknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. r imprisonment of not more than five (5) years, or both.
LEGAL NAME	OF INVENTOR
Inventor la	in McCulloch Date: SIZIF
Signature:	ineleden

US Declaration - national - 280346

Stand: 11/2012

## DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1. 76) AND ASSIGNMENT

Title of Invention	Thienothiophene-Isoindigo	
As the below named inventor, I hereby declare that:		
This declaration	n [] The attached application, or	
is directed to:	[x] PCT international application number PCT/IB2015/055118 filed on 07 Jul 2015	
The above-ide or an original j	ntified application was made or authorized to be made by me. I believe that I am the original inventor pint inventor of a claimed invention in the application.	
WHEREAS, Imperial Colleg Exhibition Ros Landon SW7 2 United Kingdo	rd PAZ	
is desirous of	eferred to as "ASSIGNEE(S)") acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent granted therefore in the United States and its territorial possessions and in any and all foreign	
acknowledged the said invent to claim priori Arrangements Patent which r	REFORE, for good and valuable consideration the receipt and sufficiency of which is hereby, I, by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right to ion in the United States and its territorial possessions and in all foreign countries (including the right by under the terms of the international Convention and other relevant International Treaties and from the aforesaid application) and the entire right, title and interest in and to any and all Letters may be granted therefor in the United States and its territorial possessions and in any and all foreign in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.	
and to any invisald ASSIGNE based on appli	e that I either have the obligation to assign or have aiready assigned the full and exclusive rights in anticons made during my employment to said ASSIGNEE based on my employment contract with iE, and/or that said ASSIGNEE has obtained full and exclusive rights in and to any such inventions cable national law, and that by this Assignment such transfer of right, title and interest in such aid ASSIGNEE is herewith confirmed or restated.	
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.		
Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE(S), make all rightful paths, and, generally do everything possible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.		
i nereby ac 1001 by fine or	knowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. imprisonment of not more than five (5) years, or both.	
LEGAL NAME Inventor: lain N	OF INVENTOR Aeager Date: 8/01/18	
	- Andrew of the second	

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## DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1, 76) AND ASSIGNMENT

Title of Invention

Thienothiophene-Isoindigo

As the below named inventor, I hereby declare that

This declaration [ ] The attached application, or

is directed to:

[x] PCT international application number PCT/IB2015/055118 filed on

07 Jul 2015

The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

WHEREAS. Imperial College Exhibition Road London SW7 2AZ United Kingdom

(héreinafter referred to as "ASSIGNEE(S)") is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign

NOW, THEREFORE, for good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, I, by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I further declare that I either have the obligation to assign or have already assigned the full and exclusive rights in and to any inventions made during my employment to said ASSIGNEE based on my employment contract with said ASSIGNEE, and/or that said ASSIGNEE has obtained full and exclusive rights in and to any such inventions based on applicable national law, and that by this Assignment such transfer of right, title and interest in such inventions to said ASSIGNEE is herewith confirmed or restated.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.

Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR

Enough .

Inventor: Bob Schroeder

Date: 19/12/2017

Signature:

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**PATENT** REEL: 044842 FRAME: 0321