505070810 08/30/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YEN-JU CHENG	04/21/2017
YU-CHIEH PAO	04/24/2017
SHI-YEN CHEN	04/24/2017

RECEIVING PARTY DATA

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State/Country:	TAIWAN	
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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16116944	

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NAME OF SUBMITTER:	JAMES LYNN O'SULLIVAN	
SIGNATURE:	/James Lynn O'Sullivan/	
DATE SIGNED:	08/30/2018	

Total Attachments: 2

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> **PATENT REEL: 046748 FRAME: 0530** 505070810

NP-20328-US/16(等)A102 Inventor(s)-to-Assignee

ASSIGNMENT

This assignment agreement is applicable to an invention entitled (Invention Title)			
ASYMMETRIC BENZOTRICHALCOGENOPHENE COMPOUND, SYNTHESIS			
METHOD THEREOF AND POLYMER			
The PATENT RIGHTS referred to in this agreement are:			
(check one) 🖾 a patent application for this invention, executed by the ASSIGNOR(S)			
concurrently with this assignment.			
U.S. patent application Serial Nofiled			
a U.S. patent application based on PCT International Application			
Nofiled on (date)(U.S. patent application			
Serial No, if known).			
U.S. patent No, issued			
The PATENT RIGHTS also include all divisions, reissues, continuations and extensions of			
the patents and patent applications identified above.			
The PATENT RIGHTS assigned under this agreement are:			
(check one) ⊠U.S. patent rights only.			
Worldwide patent rights. In this case, the assignee shall have the right to			
claim the benefit of the filing date of any U.S. or foreign patent application			
for this invention.			
The ASSIGNOR(S) referred to in this agreement is (or are) the inventor(s) whose signatures			
appear on page 2 of this Assignment and any Supplemental Sheet(s).			
The ASSIGNEE referred to in this agreement is:			
(Name of Assignee) NATIONAL CHIAO TUNG UNIVERSITY			
(Address) No.1001, Daxue Rd., East Dist., Hsinchu City 300, Taiwan, R.O.C.			
The ASSIGNEE is:			
(check one) An individual.			
A Partnership.			
(other)			
The ASSIGNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good and			
valuable consideration, receipt of which is acknowledged, hereby assign(s) the following			
rights to the ASSIGNEE, its successors and assigns:			
the full and exclusive right to the invention;			
the entire right, title and interest in and to the PATENT RIGHTS;			
the right to sue and recover for any past infringement; and			

the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable

provisions, based on any earlier patent applications for this invention.

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THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO ASSIGNEE: NATIONAL CHIAO TUNG UNIVERSITY INVENTION TITLE: ASYMMETRIC BENZOTRICHAL COGENOPHENE COMPOUND, SYNTHESIS METHOD THEREOF AND POLYMER

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademark to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any fact known to the ASSIGNOR(S) with respect to said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause and all Letter Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNOR(S) authorize(s) the attorneys and agents who have the power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

Yen-Ju CHENG	UNITU CLUB	2017/04/21
Name of sole or first inventor	Signature	Date
Yu-Chieh PAO	YClide Pao	w1)/4/24
Name of second inventor, if any	Signature	Date
Shi-Yen CHEN	Shi-Ten Chen	211/04/24
Name of third inventor, if any	Signature	Date

RECORDED: 08/30/2018

PATENT REEL: 046748 FRAME: 0532