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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:	ASSIGNMENT	ASSIGNMENT			
CONVEYING PARTY DATA					
	Name	Execution Date			
CHRISTOPHER J. BADDELEY		11/08/2017			
CHRISTIAN R. LARREA		11/08/2017			

RECEIVING PARTY DATA

Name:	UNIVERSITY COURT OF THE UNIVERSITY OF ST. ANDREWS
Street Address:	COLLEGE GATE, NORTH STREET
City:	ST. ANDREWS, FIFE
State/Country:	UNITED KINGDOM
Postal Code:	KY16 9AJ

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16305915

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:		2016-017-03US		
NAME OF SUBMITTER:		NANCY MCINTYRE		
SIGNATURE:		/Nancy McIntyre/		
DATE SIGNED:		04/30/2019		
Total Attachments: 2				
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CONFIRMATORY PATENT ASSIGNMENT

This Confirmatory Patent Assignment is made from:

Christopher J. Baddeley of University of St Andrews, School of Chemistry, Purdie Building, North Haugh, St Andrews, KY16 9ST, FIFE, United Kingdom; and Christian R. Larrea of University of St Andrews, School of Chemistry, Purdie Building, North Haugh, St Andrews, KY16 9ST, FIFE, United Kingdom, (hereinafter referred to as ASSIGNORS), to the University Court of the University of St. Andrews (hereinafter referred to as ASSIGNORS), to the University complete address is College Gate, North Street, St. Andrews, Fife KY16 9AJ, United Kingdom. ASSIGNORS are inventors of the Invention described and set forth in International Patent Application Serial No. PCT/CA2017/050665 filed on June 1, 2017 entitled Etching Metal Using N-Heterocyclic Carbenes; and

WHEREAS, ASSIGNEE is desirous of acquiring an interest in the Invention and any Letters Patent and Registration which may be granted thereon,

NOW THEREFORE, for the sum of One Dollar (\$1.00) and other good and valuable consideration, receipt and sufficiency of which is hereby acknowledged, ASSIGNORS confirm that they have assigned and do hereby assign, transfer, grant, sell and otherwise convey to ASSIGNEE all of ASSIGNORS' worldwide right, title and interest in and to the Invention in the United States, Canada and throughout the world, including all common law rights therein, the right to priority under the International Convention for Industrial Property, applications to register, reissues, continuations, divisionals, renewals, substitutions, conversions, prolongations, re-examinations, and extensions thereof, and all claims for damages by reason of past infringements of the Invention with the right to sue for and collect the same for their own use and benefit, and for the use and on behalf of their successors, assigns and other legal representatives. ASSIGNORS authorize the Commissioner of Patents to issue or transfer all the Invention to ASSIGNEE, as assignee thereof, or otherwise as ASSIGNEE may direct.

ASSIGNORS agree to cooperate with ASSIGNEE in the prosecution of the Invention and to execute all instruments of transfer submitted to them by ASSIGNEE, at ASSIGNEE's own expense, for carrying out the full intent of this assignment.

In testimony whereof I have hereunto set my hand:

this $\underline{8^{\text{m}}}$ day of <u>November</u> 2017

Christopher J. Baddeley

CERTIFICATE

City of St Andrews) County of Fife)

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PATENT REEL: 049032 FRAME: 0872 On this day of <u>Noch bey</u> 2017 appeared before me in person the above **Christopher J. Baddeley** and acknowledged the above to be his signature, and that he signed and delivered the above instrument as his voluntary act and deed for the purposes herein set forth.

Signature Printed Name: Roy Drummond

Notary Public County of Fife

In testimony whereof I have hereunto set my hand;

this 8" day of November 2017

Christian R. Larrea

CERTIFICATE

City of St Andrews) County of Fife)

On this day of <u>Maraber</u> 2017 appeared before me in person the above **Christian R. Larrea** and acknowledged the above to be his signature, and that he signed and delivered the above instrument as his voluntary act and deed for the purposes herein set forth.

Signature

Printed Name: Roy Drummond Notary Public County of Fife



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PATENT REEL: 049032 FRAME: 0873

RECORDED: 04/30/2019