# 505734175 10/22/2019

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ				
		Name		Execution Date	
DAVID SCARBOROUGH				04/23/2019	
RECEIVING PARTY D	ΑΤΑ				
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Postal Code:	36832	36832			
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Property Type					
		5967078			
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#### ASSIGNMENT

 David Scarborough of 5089 Country Road 32, Lafayette, Alabama 26862, in consideration of ten dollars and other valuable consideration paid to me by Auburn University, a university of the state of Alabama, having its principal place of business at Office of Innovation Advancement and Commercialization, 570 Devall Drive, Suite 102, Auburn, Alabama 36832 (hereinafter "said Assignee"), the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said Assignee, its successors and assigns, the entire interest for the United States of America, and its possessions and territories, and all foreign countries and jurisdictions, in, to, and for (1) a certain invention(s) and/or improvement(s) in "REACTORS AND METHODS FOR PROCESSES INVOLVING PARTIAL OXIDATION REACTIONS" described in U.S. Application No. 15/967,078 filed in the United States Patent and Trademark Office on April 30, 2018, by Bruce Tatarchuk, David Scarborough, Paul Dimick, and Hongyun Yang, and in the provisional application(s) to which priority is claimed, being U.S. Provisional Application No. 62/491,928 filed in the United States Patent and Trademark Office on April 27, 2017, (2) U.S. Application No. 15/967,078 filed April 30, 2018, and U.S. Provisional Application No. 62/491,928 filed April 27, 2017, (3) all Letters Patent of the United States and its possessions and territories and of all foreign countries and jurisdictions which may or shall be granted on said invention(s), on said improvement(s), or on said application(s), (4) all provisional, divisional, continuation, reissue, PCT, national phase, or other applications based thereon, and (5) all rights of priority, including the right to claim priority to said application(s), under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and any other treaty relating thereto.

I agree, for myself and my executors and administrators, with said Assignee and its successors and assigns, but at its or their expense or charges, hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and its possessions and territories and in all other foreign countries and jurisdictions to said Assignee, with specifications and claims in such form as shall be approved by the counsel of said Assignee, and

> IMI 109/AU 2017-046-02 095348/00019

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PATENT REEL: 050787 FRAME: 0258

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Title: "REACTORS AND METHODS FOR PROCESSES INVOLVING PARTIAL OXIDATION REACTIONS" By: Bruce Tatarchuk, David Scarborough, Paul Dimick, and Hongyun Yang Filed: April 30, 2018 ASSIGNMENT

to vest and confirm in said Assignee, its successors and assigns, the legal title to all such patents.

I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application(s) based thereon to said Assignee, its successors and assigns.

I do hereby state (1) that the application(s) was made or was authorized to be made by me and (2) that I believe I am the original inventor of a claimed invention in the application(s).

I do hereby authorize said Assignee's attorney to correct any typographical errors on this form, if necessary, and to complete this form by the addition of the application number(s), application filing date(s), and attorney docket number(s), if necessary.

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IMI 309/AU 2037-046-02 095348/00019

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## PATENT REEL: 050787 FRAME: 0259

Title: "REACTORS AND METHODS FOR PROCESSES INVOLVING PARTIAL OXIDATION REACTIONS" By: Bruce Tatarchuk, David Scarborough, Paul Dimick, and Hongyun Yang Filed: April 30, 2018 ASSIGNMENT

WITNESS my hand and seal this 25 day of April 2019

David Scarborough

State of <u>Alabama</u> County of <u>Lee</u>

Then personally appeared the above named David Scarborough and acknowledged the foregoing instrument to be his free act and deed, before me this <u>askd</u> day of <u>Acc</u> 2019

Notary Public My Commission expires:

My Commission Expires: June 9, 2021

> IMI 109/AU 2017-046-02 095348/00019

PATENT REEL: 050787 FRAME: 0260

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### **RECORDED: 10/22/2019**