

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	YASEEN M. ELKASABI	03/03/2015
	AKWASI A. BOATENG	03/03/2015
	CHARELES A. MULLEN	01/12/2016
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	The United States of America, as represented by the Secretary of Agriculture	
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<b>City:</b>	Washington	
<b>State/Country:</b>	DISTRICT OF COLUMBIA	
<b>Postal Code:</b>	20250	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	14972881
<b>CORRESPONDENCE DATA</b>		
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<b>ATTORNEY DOCKET NUMBER:</b>	0126.14	
<b>NAME OF SUBMITTER:</b>	G. BYRON STOVER	
<b>SIGNATURE:</b>	/G. Byron Stover/	
<b>DATE SIGNED:</b>	01/12/2016	
<b>Total Attachments: 2</b>		
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source=Executed_Assignments#page2.tif		

## ASSIGNMENT

WHEREAS, I (we), Yaseen M. Elkasabi and Akwasi A. Boateng

residing at 8470 Limekiln Pike #401 Wyncote, PA 19095 and 505 Mennonite Road Royersford, PA 19468; respectively

having invented an improvement METHODS OF PRODUCING CALCINED COKE FROM BIO-OIL AND CALCINED COKE PRODUCED THEREBY

for which I (we) have made application for Letters Patent of the United States, identified as Department of Agriculture Case No 0126.14

WHEREAS, the WORLDWIDE patent rights in my (our) share of said invention are assignable to the United States by virtue of my (our) having made the invention while in the employ of the United States Department of Agriculture and/or under applicable law and regulations of the United States Department of Agriculture which render the patent rights so assignable; and

WHEREAS, the United States, as represented by the Secretary of Agriculture, is desirous of acquiring an assignment of said patent rights;

NOW, THEREFORE, in consideration of these premises, I (we) hereby assign said WORLDWIDE patent rights to the United States of America, as represented by the Secretary of Agriculture.

  
\_\_\_\_\_  
Yaseen M. Elkasabi

3-3-2015  
\_\_\_\_\_  
date

  
\_\_\_\_\_  
Akwasi A. Boateng

3/3/2015  
\_\_\_\_\_  
date

## ASSIGNMENT

WHEREAS, I (we), Charles A. Mullen

residing at 1512 Tennis Circle Lansdale, PA 19446

having invented an improvement METHODS OF PRODUCING CALCINED COKE FROM BIO-OIL AND CALCINED COKE PRODUCED THEREBY

for which I (we) have made application for Letters Patent of the United States, identified as Department of Agriculture Case No 0126.14 (; S.N. 14/972,881 filed on 12/17/2015 ).

WHEREAS, the WORLDWIDE patent rights in my (our) share of said invention are assignable to the United States by virtue of my (our) having made the invention while in the employ of the United States Department of Agriculture and/or under applicable law and regulations of the United States Department of Agriculture which render the patent rights so assignable; and

WHEREAS, the United States, as represented by the Secretary of Agriculture, is desirous of acquiring an assignment of said patent rights;

NOW, THEREFORE, in consideration of these premises, I (we) hereby assign said WORLDWIDE patent rights to the United States of America, as represented by the Secretary of Agriculture.

  
\_\_\_\_\_  
Charles A. Mullen

1/12/2016  
\_\_\_\_\_  
date

USDA  
Rev. 4/12