

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT6055862

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	JOHN FRANCIS QUANCI	02/20/2020
	MAYELA CAROLINA FERNANDEZ	02/26/2020
	DANIEL C. CHARLES	02/20/2020
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	SUNCOKE TECHNOLOGY AND DEVELOPMENT LLC	
<b>Street Address:</b>	1011 WARRENVILLE ROAD 6TH FLOOR	
<b>City:</b>	LISLE	
<b>State/Country:</b>	ILLINOIS	
<b>Postal Code:</b>	60532	
<b>PROPERTY NUMBERS Total: 2</b>		
	<b>Property Type</b>	<b>Number</b>
<b>PCT Number:</b>	US2019068815	
<b>Application Number:</b>	16729122	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(206)359-7198	
<i>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.</i>		
<b>Phone:</b>	(206)359-8000	
<b>Email:</b>	patentprocurement@perkinscoie.com	
<b>Correspondent Name:</b>	PERKINS COIE LLP	
<b>Address Line 1:</b>	PO BOX 1247	
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<b>ATTORNEY DOCKET NUMBER:</b>	084553-8046US01 & WO00	
<b>NAME OF SUBMITTER:</b>	TORI ASHFORD-DOWNING	
<b>SIGNATURE:</b>	/Tori Ashford-Downing/	
<b>DATE SIGNED:</b>	04/10/2020	
<b>Total Attachments: 6</b>		
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## ASSIGNMENT BY INVENTOR

This Assignment is by the following individuals (the "Assignors"):

- John Francis Quanci, having a mailing address of 305 Mount Vernon Ave, Haddonfield, NJ 08033
- Mayela Carolina Fernandez, having a mailing address c/o SunCoke Technology and Development LLC 1011 Warrenville Road 6th Floor, Lisle, IL 60532
- Daniel C. Charles, having a mailing address c/o SunCoke Technology and Development LLC 1011 Warrenville Road 6th Floor, Lisle, IL 60532

The Assignors invented one or more certain inventions (the "Invention(s)") described in an application for Letters Patent of the United States titled "METHODS AND SYSTEMS FOR PROVIDING CORROSION RESISTANT SURFACES IN CONTAMINANT TREATMENT SYSTEMS" as U.S. Non-Provisional Application No. 16/729,122 and International Application No. PCT/US2019/068815 both filed on December 27, 2019 (the "Applications").

SunCoke Technology and Development LLC, a Corporation of Delaware having its principal place of business at 1011 Warrenville Road 6th Floor, Lisle, IL 60532 (the "Assignee"), desire to acquire the entire right, title and interest in and to the Invention(s) and the Applications, and in and to any patents (collectively, "Patents") that may be granted for the Invention(s) in the United States or in any foreign countries.

For valuable consideration, the receipt and sufficiency of which Assignors acknowledges, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to: the Invention(s), the Applications, and any Patents; any divisions, continuations, and continuations-in-part of the Applications and any other application claiming priority rights from the Applications; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the

right to claim priority rights deriving from the Applications (collectively, the "Rights"). Assignor warrants that Assignors own the Rights, and that the Rights are unencumbered. Assignors also agree to not sign any writing or do any act conflicting with this assignment, and, without further compensation, sign all documents and do such additional acts as Assignee deem necessary or desirable to: perfect Assignee's enjoyment of the Rights; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or perfect or defend title to the Rights. Assignors request the Commissioner of Patents to issue any Patent of the United States that may be issued on the Invention(s) to Assignee. This Assignment may be executed in counterparts.

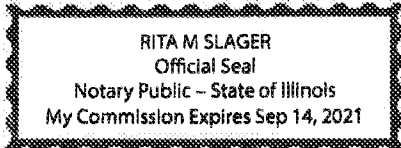
For Assignor/Inventor John Francis Quanci

Date: 2/10/20 Signature John F. Quanci  
John Francis Quanci

United States of America )  
State of Illinois ) ss.  
County of DeKalb )

On this 20th day of February, 2020 before me  
personally came John Francis Quanci, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

Rita M. Slager  
Notary Public



For Assignor/Inventor Mayela Carolina Fernandez:

Date: 2/26/20

Signature

Mayela Carolina Fernandez  
Mayela Carolina Fernandez

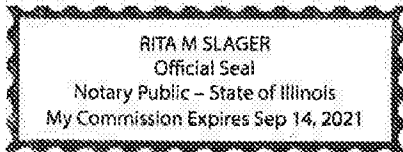
United States of America )

State of Illinois ) ss.

County of Marion )

On this 26th day of February, 2020 before me  
personally came Mayela Carolina Fernandez, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

Rita M. Slager  
Notary Public



For Assignor/Inventor Daniel C. Charles:

Date: 1/26/2020 Signature

Daniel C. Charles

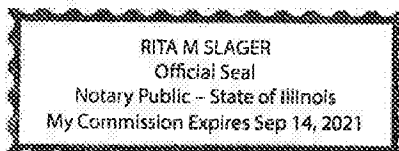
United States of America )

State of Illinois ) ss.

County of Madison )

On this 26th day of January, 2020 before me  
personally came Daniel C. Charles, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

Rita M. Slager  
Notary Public



**For Assignee SunCoke Technology and Development LLC:**

Date: 4/10/2020

Signature

John F. Quanci  
Authorized Signer

John Francis Quanci  
Authorized Signer – Printed Name

Vice President, Engineering and  
Technology  
Authorized Signer – Title