

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5940531

<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	02/05/2019
GARY DEAN YATES	02/07/2019
DANIEL C. CHARLES	02/05/2019
RYAN YATES	02/19/2019
<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>Application Number:</b>	16729129
<b>PCT Number:</b>	US2019068819
<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
<b>Address Line 4:</b>	SEATTLE, WASHINGTON 98111-1247
<b>ATTORNEY DOCKET NUMBER:</b>	084553-8048.US01 & WO00
<b>NAME OF SUBMITTER:</b>	TORI ASHFORD-DOWNING
<b>SIGNATURE:</b>	/Tori Ashford-Downing/
<b>DATE SIGNED:</b>	01/31/2020
<b>Total Attachments: 7</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
- Gary Dean West, having a mailing address of c/o SunCoke Technology and Development LLC, 1011 Warrenville Road, 6th Floor, Lisle, IL 60532
- Daniel C. Charles, having a mailing address of c/o SunCoke Technology and Development LLC, 1011 Warrenville Road, 6th Floor, Lisle, IL 60532
- Ryan Yates, having a mailing address of 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 "COKE PLANT TUNNEL REPAIR AND FLEXIBLE JOINTS" and filed on December 28, 2018 as U.S. Provisional Application No. 62/786,157 (the "Application").

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:

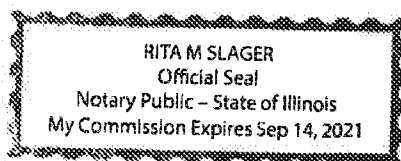
Date: 2/5/19 Signature

John F. Quanci  
John Francis Quanci

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

On this 5th day of February, 2019 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.

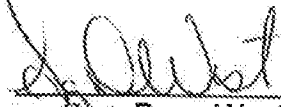
[Signature]  
Notary Public



For Assignor/Inventor Gary Dean West:

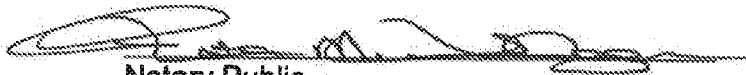
Date: 2-7-19

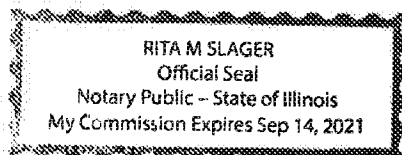
Signature

  
Gary Dean West

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

On this 7th day of February, 2019 before me  
personally came Gary Dean West, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

  
Notary Public



For Assignor/Inventor Daniel C. Charles:

Date: 2/5/19 Signature

  
Daniel C. Charles

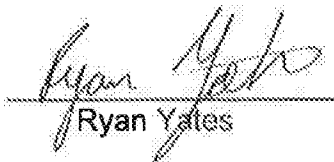
United States of America )  
State of Illinois ) ss.  
County of Franklin )

On this 5th day of February, 2019 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.

  
Notary Public

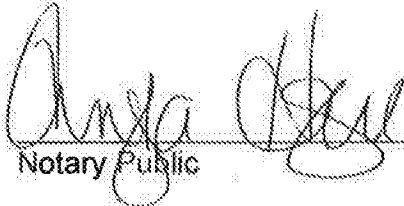
RITA M SLAGER  
Official Seal  
Notary Public - State of Illinois  
My Commission Expires Sep 14, 2021

For Assignor/Inventor: Ryan Yates:

Date: 2/19/19 Signature   
Ryan Yates

United States of America )  
State of ILLINOIS ) ss.  
County of Madison )

On this 20th day of February, 2019 before me  
personally came Ryan Yates, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged  
execution of the same.

  
Notary Public





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

Date: 2/5/19

Signature

John F. Quanci  
Authorized Signer

John Francis Quanci  
Authorized Signer – Printed Name

Vice President, Engineering and  
Technology  
Authorized Signer – Title