

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT3849979

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHUN WAI CHOI	01/03/2014
RAJAT KAPOOR	12/23/2013
JOHN FRANCIS QUANCI	01/02/2014
RECEIVING PARTY DATA	
Name:	SUNCOKE TECHNOLOGY AND DEVELOPMENT LLC.
Street Address:	1011 WARRENVILLE ROAD 6TH FLOOR
City:	LISLE
State/Country:	ILLINOIS
Postal Code:	60532
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15014547
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	084553-8022.US01
NAME OF SUBMITTER:	TORI ASHFORD-DOWNING
SIGNATURE:	/Tori Ashford-Downing/
DATE SIGNED:	04/28/2016
Total Attachments: 6 source=8022Assignment#page1.tif source=8022Assignment#page2.tif source=8022Assignment#page3.tif source=8022Assignment#page4.tif	

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ASSIGNMENT BY INVENTORS

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

- Chun Wai Choi having a mailing address of 1011 Warrenville Road 6th Floor, Lisle, Illinois 60532;
- Rajat Kapoor having a mailing address of 1011 Warrenville Road 6th Floor, Lisle, Illinois 60532;
- John Francis Quanci having a mailing address of 1011 Warrenville Road 6th Floor, Lisle, Illinois 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 IMPROVED QUENCH TOWER DESIGN, and filed on March 15, 2013 as U.S. Application No. 13/843,166 (the "Application").

SunCoke Technology and Development LLC, a Corporation of Delaware having its principal place of business at 1011 Warrenville Road 6th Floor, Lisle, Illinois 60532 (the "Assignee"), desire to acquire the entire right, title and interest in and to the Invention(s) and the Application, 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 acknowledge, 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 Application, and any Patents; any divisions, continuations, and continuations-in-part of the Application and any other application claiming priority rights from the Application; 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 Application (collectively, the "Rights"). Assignors warrant 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.

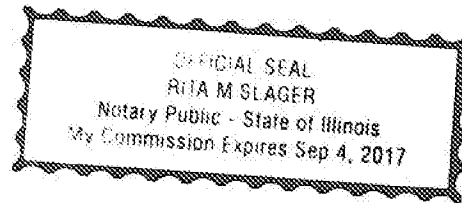

Chun Wai Choi

Date: January 3, 2014

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

On this 3rd day of January, 2014, before me
personally came Chun Wai Choi, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.


Notary Public



Raj Kapoor

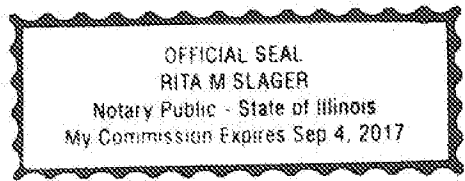
Rajat Kapoor

Date: 12/23/2013

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

On this 23rd day of December, 2013, before me personally came Rajat Kapoor, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

[Signature]
Notary Public



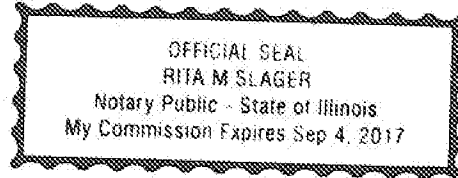
John F. Quanci
John Francis Quanci

Date: January 2, 2014

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

On this 2nd day of January, 2014, 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 SunCoke Technology and Development LLC:

Date: 5 May 2014 Signature

John F. Quanci
Authorized Signer

John Francis Quanci
Authorized Signer – Printed Name

VP Engineering Technology
Authorized Signer – Title