

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3582839

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JOHN FRANCIS QUANCI	05/20/2013
JOHN SHANNON ESSMAN	05/22/2013
JAMES ERIC BOND	05/21/2013
KHAMBATH VICHITVONGSA	05/20/2013
CHUN WAI CHOI	05/16/2013
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:	13730796
CORRESPONDENCE DATA	
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<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>	
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Correspondent Name:	PERKINS COIE LLP
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Address Line 4:	SEATTLE, WASHINGTON 98111-1247
ATTORNEY DOCKET NUMBER:	084553-8017.US00
NAME OF SUBMITTER:	TORI ASHFORD-DOWNING
SIGNATURE:	/Tori Ashford-Downing/
DATE SIGNED:	10/22/2015
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ASSIGNMENT BY INVENTOR

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

- John Francis Quanci, having a mailing address of 1011 Warrenville Road 6th Floor, Lisle, IL 60532
- John Shannon Essman, having a mailing address of 1011 Warrenville Road 6th Floor, Lisle, IL 60532
- James Eric Bond, having a mailing address of 1011 Warrenville Road 6th Floor, Lisle, IL 60532
- Khambath Vichitvongsa, having a mailing address of 1011 Warrenville Road 6th Floor, Lisle, IL 60532
- Chun Wai Choi, having a mailing address of 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 IMPROVED COKE QUENCHING, and filed on December 28, 2012 as U.S. Application No. 13/730,796 (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 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 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 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"). 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: September 13 Signature John F. Quanci
John Francis Quanci


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

On this 13th day of September, 2013 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

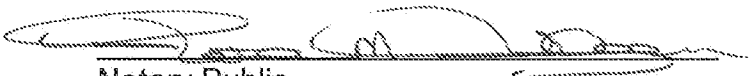
"OFFICIAL SEAL"
RITA M. SLAGER
Notary Public, State of Illinois
My Commission Expires 09/04/2013

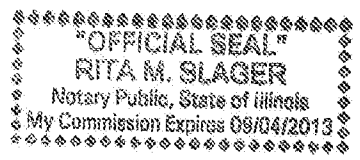
For Assignor/Inventor John Shannon Essman:

Date: 5/21/13 Signature 
John Shannon Essman

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

On this 21st day of May, 2013 before me personally came John Shannon Essman, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public



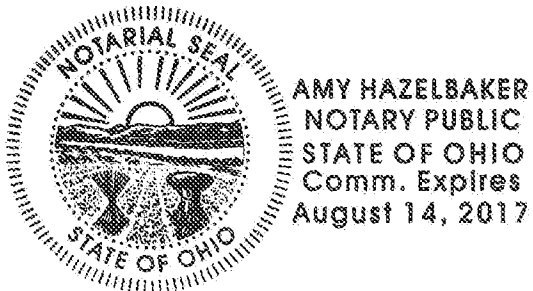
For Assignor/Inventor James Eric Bond:

Date: 5/21/13 Signature *James Eric Bond*
James Eric Bond

United States of America)
State of Ohio) ss.
County of Adams)

On this 21st day of May, 2013 before me personally came James Eric Bond, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Amy Hazelbaker
Notary Public



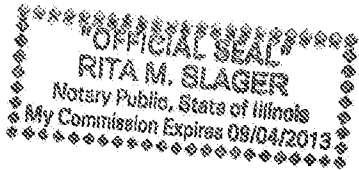
For Assignor/Inventor Khambath Vichitvongsa:

Date: 5-20-2013 Signature *Khambath Vichitvongsa*
Khambath Vichitvongsa

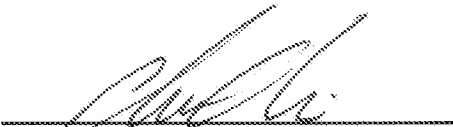
United States of America)
State of Illinois) ss.
County of DeKalb)

On this 20th day of May, 2013 before me personally came Khambath Vichitvongsa, 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 Chun Wai Choi:

Date: 5/16/2013 Signature 
Chun Wai Choi

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

On this 16th day of May, 2013 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



For Assignee SunCoke Technology and Development LLC:

Date: August 20, 2013

Signature

John F. Quanci
Authorized Signer

John Francis Quanci
Authorized Signer – Printed Name

Vice President, Technology
Authorized Signer – Title