

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
- Jonathan Hale Perkins, 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 HIGH-QUALITY FOUNDRY COKE PRODUCTS, filed on November 4, 2021 as U.S. Provisional Application No. 63/275,896 (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: 11/8/2021 Signature

John F. Quanci
John Francis Quanci

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

On this 8th day of November, 2021 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 Jonathan Hale Perkins

Date: 11/9/2021

Signature


Jonathan Hale Perkins

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

On this 9th day of November, 2021 before me
personally came Jonathan Hale Perkins, 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: 11/8/2021

Signature

John F. Quanci
Authorized Signer

John Francis Quanci
Authorized Signer – Printed Name

Vice President, Engineering and
Technology
Authorized Signer – Title

ePCT Document Upload

IA Number:

PCT/US2022/079299

To:

IB

Date at recipient Office:

01 May 2023 16:01:59 CEST

From:

Victoria Ashford-Downing

Access Rights:

eOwner

The following documents have been uploaded via ePCT:

- Request for Change under Rule 92bis
- Assignment

Signature:

Document(s) signed by Applicant/Agent included in the attachment(s)

Date:

01 May 2023 16:01:59 CEST

User name:

Victoria Ashford-Downing

Authentication:

Sign-in with strong authentication

**IN THE UNITED STATES RECEIVING OFFICE
UNDER THE PATENT COOPERATION TREATY**

International Application No. : PCT/US22/79299
International Filing Date : 22 November 2022 (22.11.2022)
Earliest Priority Date : 22 November 2021 (22.11.2021)
Applicant : SUNCOKE TECHNOLOGY AND
DEVELOPMENT LLC
Title : FOUNDRY COKE PRODUCTS, AND
ASSOCIATED SYSTEMS DEVICES AND
METHODS

REQUEST FOR RECORDING A CHANGE UNDER RULE 92BIS

Mail Stop PCT, Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Attn.: RO/US: **Authorized Officer: Warsi Naim**

Dear Sir:

It is respectfully requested that the following correction be made in the above-identified international patent application under Rule 92*bis*.

Please change the designation of the following Applicant/Inventor to **Inventor only**:

RICHARDSON, John Michael

Applicant is providing a copy of the Assignment. Accordingly, a Notification of the Recording of a Change (PCT/IB/306) is respectfully requested.

Should any fee variance exist, the Commissioner is authorized to charge the fee to our Deposit Account No. 50-0665, under Order No. 084553.8063.WO00.

Dated: May 1, 2023

Respectfully submitted,

By /Vijay Kumar/

Vijay S. Kumar

Reg. No.: 77,612

PERKINS COIE LLP

P.O. Box 1247

Seattle, Washington 98111-1247

Phone: (206) 359-8000

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
- **John Michael Richardson**, having a mailing address of c/o SunCoke Technology and Development LLC, 1011 Warrenville Road 6th Floor, Lisle, IL 60532
- **Jonathan Hale Perkins**, 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 applications for Letters Patent of the United States titled "FOUNDRY COKE PRODUCTS, AND ASSOCIATED SYSTEMS, DEVICES, AND METHODS" and filed on November 4, 2022 as U.S. Non-Provisional Application No. 18/052,760 and International Application No. PCT/US22/79299. (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.

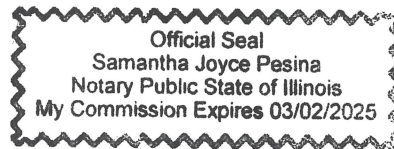
For Assignor/Inventor John Francis Quanci:

Date: 4/12/2023 Signature John F. Quanci
John Francis Quanci

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

On this 12th day of April, 2023 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.

Samantha Pesina
Notary Public



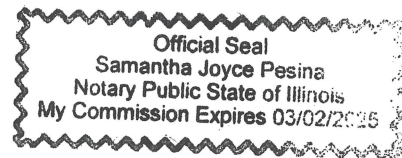
For Assignor/Inventor Jonathan Hale Perkins:

Date: 4/4/23 Signature 
Jonathan Hale Perkins

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

On this 4th day of April, 2023 before me
personally came Jonathan Hale Perkins, 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 John Michael Richardson:

Date: 4-19-23

Signature


John Michael Richardson

United States of America)
State of Pennsylvania) ss.
County of Chester)

On this 19th day of April, 2023 before me
personally came John Michael Richardson, to me known to be the individual
described in and who executed the foregoing instrument and acknowledged execution
of the same.



Notary Public

Commonwealth of Pennsylvania - Notary Seal
SEAN EDINGTON - Notary Public
Chester County
My Commission Expires October 6, 2026
Commission Number 1427416

For Assignee SunCoke Technology and Development LLC:

Date: 4/12/23

Signature John F. Quanci
Authorized Signer

John Francis Quanci
Authorized Signer – Printed Name

Vice President, Engineering and
Technology
Authorized Signer – Title