506227970 08/31/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANDRIY KORCHEV	10/05/2017
GEOFFREY D. MOESER	10/06/2017
DANNY PIERRE	09/30/2017
QIAN NI	10/06/2017
FEDERICO VILLALPANDO-PAEZ	10/03/2017

RECEIVING PARTY DATA

Name:	CABOT CORPORATION
Street Address:	TWO SEAPORT LANE
Internal Address:	SUITE 1300
City:	BOSTON
State/Country:	MASSACHUSETTS
Postal Code:	02210

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17004772

CORRESPONDENCE DATA

Fax Number: (978)670-8027

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.

Phone: 978-670-7027

Email: iplaw@cabotcorp.com

Correspondent Name: VALARIE B. ROSEN

Address Line 1: CABOT CORPORATION

Address Line 2: 157 CONCORD ROAD

Address Line 4: BILLERICA, MASSACHUSETTS 01821

ATTORNEY DOCKET NUMBER:	2015616DIV
NAME OF SUBMITTER:	VALARIE B. ROSEN
SIGNATURE:	/Valarie Rosen/
DATE SIGNED:	08/31/2020

PATENT 506227970 REEL: 053638 FRAME: 0539

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PATENT REEL: 053638 FRAME: 0540

<u>ASSIGNMENT</u>

WHEREAS, we, Andriy Korchev of Westford, Massachusetts, USA, Geoffrey D. Moeser of Groton, Massachusetts, USA, Danny Pierre of River Vale, New Jersey, USA, Qian Ni of Billerica, Massachusetts, USA, and Federico Villalpando-Paez of San Francisco, California, USA, having invented the subject matter described in the International Application entitled "COMPOSITE PARTICLES HAVING COATED AGGREGATES WITH LOW STRUCTURE CARBON BLACK CORES, COATINGS AND INKS WITH HIGH RESISTIVITY AND OPTICAL DENSITY, DEVICES MADE THEREWITH, AND METHODS FOR MAKING SAME," the specification of which was filed on June 29, 2017, as International Application No. PCT/US2017/039958; and

WHEREAS, Cabot Corporation, a corporation organized and existing under and by virtue of the laws of the State of Delaware, doing business at Two Seaport Lane, Suite 1300, Boston, Massachusetts 02210, is desirous of acquiring the entire right, title and interest in and to said application and the invention therein described and claimed and any Letters Patent that may be issued upon said application or for the improvements therein contained.

NOW THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) lawful money of the United States and other valuable considerations, in hand paid to us, the receipt and sufficiency whereof is hereby acknowledged, we, Andriy Korchev, Geoffrey D. Moeser, Danny Pierre, Qian Ni, and Federico Villalpando-Paez, have sold, assigned and transferred and do hereby sell, assign and transfer unto Cabot Corporation, its successors and assigns, the entire right, title and interest in and to said application and the invention therein contained, including the right to apply for any Letters Patent in the United States of America and in any and all foreign countries on said invention, and any and all other applications for Letters Patent on said invention, in whatsoever countries, including all provisional, divisional, renewal, substitution, continuation, continuation-in-part, reissue, re-examination and Convention applications based upon said invention or upon said application, to the full end of the term or terms for which said Letters Patent may be issued, and every priority right that is or may be predicated upon or arise from said invention, said application and said Letters Patent, the same to be held and enjoyed by Cabot Corporation, its successors and assigns, the same as it would have been held and enjoyed by us if this assignment and sale had not been made.

Assignment - Page 1 of 5

And we hereby authorize Cabot Corporation, to file patent applications in any or all

countries on any or all of said invention in our name or in the name of Cabot Corporation, or

otherwise as Cabot Corporation, may deem advisable, under any International Convention or

otherwise.

And we hereby authorize the Commissioner of Patents of the United States and the

empowered officials of all other governments to issue or transfer all said Letters Patent to Cabot

Corporation, as assignee of the entire right, title and interest therein or otherwise as Cabot

Corporation, may direct, in accordance with this instrument of assignment.

We hereby represent and warrant that there are no rights or interests inconsistent with

the rights and interests granted herein and that we will not execute any instrument or grant or

transfer any rights or interests inconsistent with the rights and interest granted herein, and that

we, Andriy Korchev, Geoffrey D. Moeser, Danny Pierre, Qian Ni, and Federico Villalpando-

Paez, have sold, assigned and transferred and do hereby sell, assign and transfer unto Cabot

Corporation, its successors and assigns, any further documents or instruments and do any and all

further acts that may reasonably be deemed necessary by Cabot Corporation to enable Cabot

Corporation, its successors or assigns, to file applications for the invention in any country where

it may elect to file such applications, and that may be necessary to vest in Cabot Corporation, its

successors and assigns, the title herein conveyed or intended so to be, and to enable such title to

be recorded in the United States and foreign countries where such application or applications

may be filed.

And we further covenant and agree, in consideration of the premises, that we, our

executors and administrators, will at any time, upon request, communicate to Cabot

Corporation, its successors and assigns, any facts relating to the invention and the improvements

contained therein and the history thereof, known to us or our executors and administrators, and

that we will testify as to the same in any interference or other litigation when requested so to do

by Cabot Corporation, its successors and assigns.

Assignment - Page 2 of 5

PATENT REEL: 053638 FRAME: 0542

IN TESTIMONY WHEREOF, I, Andriy Koro	chev, have hereunto set my hand and
seal this _5 day of \(\begin{aligned} \text{\sigma} & \frac{1}{2} & \text{\sigma} & \s	-
	August //
	Andriy Korchev
COMMONWEALTH OF MASSACHUSETTS	}
and the state of t	ýss.
COUNTY OF MIDDLESEX)
s	
On this 5th day of 2012, be	
Korchev, before me known and known to me to be the	
executed the foregoing instrument, and s/he duly acknow	vledged to me that s/he executed the
same for the purpose therein set forth.	(
	1 11/11 X & 1 2494
N DEBORAH L. CELESTEN	NOFARY PÜBLIC
COMMONWEALTH OF MASSACHUSETTS (My Commission Expires: タータング
My Cotton Express August 15, 2019	
IN TESTIMONY WHEREOF, I, Geoffrey D.	Moeser, have hereunto set my hand
and seal this 6th day of Ochlar, 2017	2 11 AA
and seed to see that they to the seed of t	<i>4.11 1/4.</i>
	Geoffrey D. Moeser
	Geomey D. Moeser
	*
COMMONWEALTH OF MASSACHUSETTS) You
COUNTY OF MIDDLESEX) ss. }
	,
and the Sold of the same	
	ore me personally appeared Geoffrey
D. Moeser, before me known and known to me to be the executed the foregoing instrument, and s/he duly acknown	
same for the purpose therein set forth.	vietaged to the that site executed the
E Control of the Cont	a Mark Allando
DEBORANT OF FOTON	NULLUAN CALLUAR
A CHEST CHEST HOW WAS TO COLUMN THE STATE OF	NOTARY PUBLIC
My Committee State MASSACHRISETTS N	My Commission Expires: ター/ラマング

Assignment - Page 3 of 5

day of, <u>2</u>	
	Danny Pierre
STATE OF NEW JERSEY)
COUNTY OF BERGEN) ss.)
On this day of, 2, Pierre, before me known and known to me to be the executed the foregoing instrument, and s/he duly acknown for the purpose therein set forth.	ne individual described herein and who
	NOTARY PUBLIC My Commission Expires:
IN TESTIMONY WHEREOF, I, Qian Ni, have here of 212, 2017.	
	Qian Ni
COMMONWEALTH OF MASSACHUSETTS	Qian Ni
COMMONWEALTH OF MASSACHUSETTS COUNTY OF MIDDLESEX	Qian Ni) ss.

IN TESTIMONY WHEREOF, I. Federico Villalpana wal this 3 ^{co} day of QCLMA . 2QCL	to-Paez, have hereump, set my hand and Section Sect
1" Witness's Name: <u>NMA PARKA!</u> 1" Witness's Address: <u>1657, PARKS)</u> 1" Witness's Signature <u>N</u>	1991 <u>Dé 1994 - San</u> Chiés Ca 95125
2 Witness's Name: John Kellner 2 Witness's Address: 2870 Fairer Dr. J 2 Witness's Signature: Joseph John	<u>Apt. 259 Santa Clara,</u> CA, 96061

PATENTREEL: 053638 FRAME: 0545

ASSIGNMENT

WHEREAS, we, Andriy Korchev of Westford, Massachusetts, USA, Geoffrey D. Moeser of Groton, Massachusetts, USA, Danny Pierre of River Vale, New Jersey, USA, Qian Ni of Billerica, Massachusetts, USA, and Federico Villalpando-Paez of San Francisco, California, USA, having invented the subject matter described in the International Application entitled "COMPOSITE PARTICLES HAVING COATED AGGREGATES WITH LOW STRUCTURE CARBON BLACK CORES, COATINGS AND INKS WITH HIGH RESISTIVITY AND OPTICAL DENSITY, DEVICES MADE THEREWITH, AND METHODS FOR MAKING SAME," the specification of which was filed on June 29, 2017, as International Application No. PCT/US2017/039958; and

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NOW THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) lawful money of the United States and other valuable considerations, in hand paid to us, the receipt and sufficiency whereof is hereby acknowledged, we, Andriy Korchev, Geoffrey D. Moeser, Danny Pierre, Qian Ni, and Federico Villalpando-Paez, have sold, assigned and transferred and do hereby sell, assign and transfer unto Cabot Corporation, its successors and assigns, the entire right, title and interest in and to said application and the invention therein contained, including the right to apply for any Letters Patent in the United States of America and in any and all foreign countries on said invention, and any and all other applications for Letters Patent on said invention, in whatsoever countries, including all provisional, divisional, renewal, substitution, continuation, continuation-in-part, reissue, re-examination and Convention applications based upon said invention or upon said application, to the full end of the term or terms for which said Letters Patent may be issued, and every priority right that is or may be predicated upon or arise from said invention, said application and said Letters Patent, the same to be held and enjoyed by Cabot Corporation, its successors and assigns, the same as it would have been held and enjoyed by us if this assignment and sale had not been made.

Assignment - Page 1 of 5

And we hereby authorize Cabot Corporation, to file patent applications in any or all

countries on any or all of said invention in our name or in the name of Cabot Corporation, or

otherwise as Cabot Corporation, may deem advisable, under any International Convention or

otherwise.

And we hereby authorize the Commissioner of Patents of the United States and the

empowered officials of all other governments to issue or transfer all said Letters Patent to Cabot

Corporation, as assignee of the entire right, title and interest therein or otherwise as Cabot

Corporation, may direct, in accordance with this instrument of assignment.

We hereby represent and warrant that there are no rights or interests inconsistent with

the rights and interests granted herein and that we will not execute any instrument or grant or

transfer any rights or interests inconsistent with the rights and interest granted herein, and that

we, Andriy Korchev, Geoffrey D. Moeser, Danny Pierre, Qian Ni, and Federico Villalpando-

Paez, have sold, assigned and transferred and do hereby sell, assign and transfer unto Cabot

Corporation, its successors and assigns, any further documents or instruments and do any and all

further acts that may reasonably be deemed necessary by Cabot Corporation to enable Cabot

Corporation, its successors or assigns, to file applications for the invention in any country where

it may elect to file such applications, and that may be necessary to vest in Cabot Corporation, its

successors and assigns, the title herein conveyed or intended so to be, and to enable such title to

be recorded in the United States and foreign countries where such application or applications

may be filed.

And we further covenant and agree, in consideration of the premises, that we, our

executors and administrators, will at any time, upon request, communicate to Cabot

Corporation, its successors and assigns, any facts relating to the invention and the improvements

contained therein and the history thereof, known to us or our executors and administrators, and

that we will testify as to the same in any interference or other litigation when requested so to do

by Cabot Corporation, its successors and assigns.

Assignment - Page 2 of 5

seal this day of, 2	
	Andriy Korchev
COMMONWEALTH OF MASSACHUSETTS)
COUNTY OF MIDDLESEX) ss.)
	,
On this day of, 2, leads to be the same for the purpose therein set forth.	he individual described herein and wh
	NOTARY PUBLIC
IN TESTIMONY WHEREOF, I, Geoffrey 1	My Commission Expires: D. Moeser, have hereunto set my han
·	•
·	D. Moeser, have hereunto set my han
and seal this day of, 2	D. Moeser, have hereunto set my han Geoffrey D. Moeser
and seal this day of, 2 COMMONWEALTH OF MASSACHUSETTS	D. Moeser, have hereunto set my han
IN TESTIMONY WHEREOF, I, Geoffrey I and seal this day of, 2 COMMONWEALTH OF MASSACHUSETTS COUNTY OF MIDDLESEX On this day of, 2, b D. Moeser, before me known and known to me to be the executed the foregoing instrument, and s/he duly acknown for the purpose therein set forth.	Geoffrey D. Moeser Output

IN TESTIMONY WHEREOF, I, Danny Pierre, ha	ve hereunto set my hand and seal this
day of September, 2017.	0,0
	Danny Pierre
STATE OF NEW JERSEY)) ss.
COUNTY OF BERGEN)
On this 36 day of Sellen on , 217, 18 Pierre, before me known and known to me to be the executed the foregoing instrument, and s/he duly acknown same for the purpose therein set forth. AVTAR SINGH Notary Public State of New Jersey My Commission Expires April 6, 2021 1.D.# 2407052 IN TESTIMONY WHEREOF, I, Qian Ni, have heree of	NOTARY PUBLIC My Commission Expires: Almi 6 2.2
	Qian Ni
COMMONWEALTH OF MASSACHUSETTS)) ss.
COUNTY OF MIDDLESEX)
On this day of, 2, b before me known and known to me to be the individual foregoing instrument, and s/he duly acknowledged to purpose therein set forth.	described herein and who executed the
	NOTARY PUBLIC My Commission Expires:

Assignment - Page 4 of 5

Paez, have hereunto set my hand and
Federico Villalpando-Paez
)) ss.
)
the individual described herein and nowledged to me that s/he executed
NOTARY PUBLIC My Commission Expires:

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PATENT REEL: 053638 FRAME: 0550

assignment template joint inventors.doc

RECORDED: 08/31/2020