504789324 02/22/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JINQI XU	02/15/2018
PAUL S. PALUMBO	11/20/2017
ANDREA LEBED	11/20/2017
HEATHER E. CLARKE	11/20/2017
ALEXANDER I. SHAKHNOVICH	11/16/2017
TIANQI LIU	01/24/2018

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:	15798973

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.

using a lax number, it provided, it that is unsuccessful, it will be sent via 03 in

Phone: 978-670-6191

Email: iplaw@cabotcorp.com
Correspondent Name: MARIA T. BAUTISTA
Address Line 1: CABOT CORPORATION
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Address Line 4: BILLERICA, MASSACHUSETTS 01821

ATTORNEY DOCKET NUMBER:	2016004
NAME OF SUBMITTER:	MARIA T. BAUTISTA
SIGNATURE:	/Maria T. Bautista/
DATE SIGNED:	02/22/2018

504789324 PATENT REEL: 045007 FRAME: 0563

Total Attachments: 5 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif

PATENT REEL: 045007 FRAME: 0564

Docket No. 2016004

<u>ASSIGNMENT</u>

WHEREAS, we, Jinqi Xu of Westford, Massachusets, USA, Paul S. Palumbo of West Newton, Massachusetts, USA, Andrea Lebed of Somerville, Massachusetts, USA, Heather E. Clarke of Lancaster, Massachusetts, USA, Alexander I. Shakhnovich of Arlington, Massachusetts, USA, and Tianqi Liu of Boxborough, Massachusetts, USA, having invented the subject matter described in the U.S. Patent Application entitled "POLYMERS FOR INKJET INK COMPOSITIONS" the specification of which was filed on October 31, 2017, as United States Application Serial No. 15/798,973; 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, Jinqi Xu, Paul S. Palumbo, Andrea Lebed, Heather E. Clarke, Alexander I. Shakhnovich, and Tianqi Liu, 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.

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Docket No. 2016004

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, Jinqi Xu, Paul S. Palumbo, Andrea Lebed, Heather E. Clarke, Alexander I. Shakhnovich,

and Tianqi Liu, 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.

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PATENT

IN TESTIMONY WHEREOF, I, Jinqi Xu, b	ave hereunto set my hand and seal this
(5/4) day of <u>Fe-lo</u> , 20/8	
	Jinqi Xu "
COMMONWEALTH OF MASSACHUSETTS)) ss.
COUNTY OF MIDDLESEX	
On this day of day acknowledged to spurpose therein set forth. IN TESTIMONY WHEREOF, I. Paul S. Pal seal this day of day	ne that s/he executed the same for the NOTARY PUBLIC My Commission Expires: 8-15-20/9
COMMONWEALTH OF MASSACHUSETTS)) ss.
COUNTY OF MIDDLESEX)
On this day of Palumbo, 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. DEBORALL CHESTE	

bed, have hereunto set my hand and seal
<u> 44.42 </u>
Andrea Lebed
)) ss.
before me personally appeared Andrea se individual-described herein and who sowledged to me that s/he executed the NOTARY PUBLIC My Commission Expires: \$\frac{1}{2} \frac{1}{2} \frac{1}
Clarke, have hereunto set my hand and Heather E. Clarke
) } ss.
pefore me personally appeared Heather the individual described herein and who sowledged to me that s/he executed the NOTARY PUBLIC My Commission Expires: 5-15-20-19

IN TESTIMONY WHEREOF, I, Alexander L Sha	khnovich, have hereunto set my hand and
seal this 16 day of 201 .	<u>Alexander I. Sha</u> sh wood Alexander I. Shakhnovich
COMMONWEALTH OF MASSACHUSETTS)) ss.
COUNTY OF MIDDLESEX)
On this day of 2/1/2. Alexander I. Shakhnovich, before me known and known and who executed the foregoing instrument, an executed the same for the purpose therein set forth. DESORABL CELESTE COMPANY OF THE PROPERTY OF TH	NOTARY PUBLIC My Commission Expires: \$7.75 20.79
IN TESTIMONY WHEREOF, I, Tianqi Liu, ha	ive hereunto set my hand and seal this
day of <u>24th</u> , <u>2018</u> Jan	Tianqi Liu
COMMONWEALTH OF MASSACHUSETTS)) ss.
COUNTY OF MIDDLESEX	
On this day of 100000000000000000000000000000000000	
	3508 19-2020

Assignment - Page 5 of 5

PATENT REEL: 045007 FRAME: 0569

RECORDED: 02/22/2018