

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7175872

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JESSICA DEBORAH SCHIFFMAN	02/12/2021
JOHN Klier	01/25/2022
GUOZHEN YANG	06/17/2021
MENGFEI HUANG	02/13/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UNIVERSITY OF MASSACHUSETTS
<b>Street Address:</b>	ONE BEACON STREET
<b>Internal Address:</b>	31ST FLOOR
<b>City:</b>	BOSTON
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02108
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16497880
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(860)286-0115
<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>	
<b>Email:</b>	usptopatentmail@cantorcolburn.com
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<b>Address Line 1:</b>	20 CHURCH STREET
<b>Address Line 2:</b>	22 FLOOR
<b>Address Line 4:</b>	HARTFORD, CONNECTICUT 06103
<b>ATTORNEY DOCKET NUMBER:</b>	UMA 17-038 (UMA0099US2)
<b>NAME OF SUBMITTER:</b>	SAMANTHA PAGE
<b>SIGNATURE:</b>	/Samantha Page/
<b>DATE SIGNED:</b>	02/15/2022
<b>Total Attachments: 4</b> source=8W83456#page1.tif	

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**PATENT**

**REEL: 059010 FRAME: 0403**

# DECLARATION AND ASSIGNMENT

Title of Invention: **REACTIVE PARTICLES FOR COATING TECHNOLOGIES**

As a below named inventor, I hereby declare that:

This Declaration and Assignment is directed to:

- [X] the application having Attorney Docket Number UMA 17-038 (UMA0099US2), or
- [X] Patent application number 16/497,880 filed on September 26, 2019.
- [X] which claims priority to U.S. Patent application number 62/482,824 filed on April 7, 2017.

The above-identified application was made or authorized to be made by me, and I have reviewed and understand the contents of the application, including the claims.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.

Whereas, each undersigned inventor has made certain inventions, improvements, and discoveries (herein referred to as the "INVENTION") disclosed in the above-identified patent application (herein referred to as the ("APPLICATION");

Whereas, THE UNIVERSITY OF MASSACHUSETTS, having a business address at One Beacon Street, 31<sup>st</sup> Floor, Boston, MA 02108 (herein referred to as "ASSIGNEE"), desires to attain or has attained, and each undersigned inventor desires to grant or has granted to ASSIGNEE, the entire worldwide right, title, and interest in and to the INVENTION and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, I, one of the undersigned inventors (herein referred to "ASSIGNOR"), hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to the ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the INVENTION, the APPLICATION, and any and all other patent applications and patents for the INVENTION which may be applied for or granted therefor in any and all countries and jurisdictions, including all divisionals, continuations, continuations-in-part, reissues, reexaminations, renewals, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents, and further including any right to sue for past infringement and to recover and retain damages and profits in respect thereof. In addition, I hereby authorize and request any official whose duty it is to issue patents, to issue any patent on said improvements or resulting therefrom to said ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and I agree for myself and my respective heirs, legal representatives, and assigns, without further compensation, to execute any and all documents, oaths and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the INVENTION, the APPLICATION, and all related patents and applications, in ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by ASSIGNEE, its successors, legal representatives, and assigns.

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I hereby covenant that I have the full right to convey the entire right, title, and interest herein assigned and that I have not executed and will not execute any agreement in conflict herewith.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Signature: Jessica Schiffman Date: 2/12/21  
Legal Name of Inventor: **JESSICA DEBORAH SCHIFFMAN**

Andrew Newman Date: 2/12/21  
Witness Signature

Andrew Newman  
Printed Legal Name of Witness

Kristina Eddy Date: 2/12/21  
Witness Signature

Kristina Eddy  
Printed Legal Name of Witness

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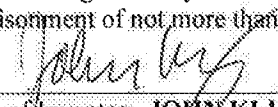
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Signature: 

Date: 1/25/22

Legal Name of Inventor: **JOHN KLIER**

  
Witness Signature

Date: 1-28-22

  
Witness Signature

Date: 1-25-2022

Kristi Boreau  
Printed Legal Name of Witness

Holly Chronister  
Printed Legal Name of Witness

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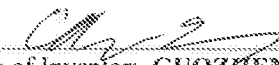
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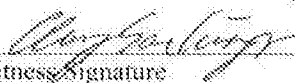
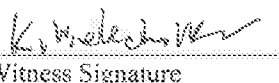
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Signature:  Date: 6/17/2021  
 Legal Name of Inventor: **GUOZHEN YANG**

<p>Witness Signature: <u></u> Date: <u>6/17/21</u></p> <p>Printed Legal Name of Witness: <u>Kathryn Sackinger</u></p>	<p>Witness Signature: <u></u> Date: <u>6/17/21</u></p> <p>Printed Legal Name of Witness: <u>Karol Wielechowski</u></p>
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Signature: Mengfei Huang Date: 2/13/2021  
Legal Name of Inventor: MENGFEI HUANG

Lei Zheng Date: 2/13/2021  
Witness Signature

Lei Zheng  
Printed Legal Name of Witness

Sili Wu Date: 2/13/2021  
Witness Signature

Sili Wu  
Printed Legal Name of Witness

**PATENT**