

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5937690

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MATTHEW HEWITT	01/16/2020
YOUNG SHIN	01/15/2020
BINGNAN GU	01/15/2020
CAITLIN M. GUENTHER	01/15/2020
ANANDITA SETH	01/15/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LONZA WALKERSVILLE, INC.
<b>Street Address:</b>	8830 BIGGS FORD ROAD
<b>City:</b>	WALKERSVILLE
<b>State/Country:</b>	MARYLAND
<b>Postal Code:</b>	21793-0127
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16720227
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)712-8525
<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>Phone:</b>	(703) 712-8531
<b>Email:</b>	admin@medlerferro.com, docketing@medlerferro.com
<b>Correspondent Name:</b>	MEDLER FERRO WOODHOUSE & MILLS PLLC
<b>Address Line 1:</b>	8201 GREENSBORO DRIVE
<b>Address Line 2:</b>	SUITE 1060
<b>Address Line 4:</b>	MCLEAN, VIRGINIA 22102
<b>ATTORNEY DOCKET NUMBER:</b>	0132-0084US1
<b>NAME OF SUBMITTER:</b>	JEFFREY K. MILLS
<b>SIGNATURE:</b>	/Jeffrey K. Mills, Reg. No. 56,413/
<b>DATE SIGNED:</b>	01/30/2020
<b>Total Attachments: 2</b>	

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## ASSIGNMENT

WHEREAS, Matthew HEWITT, Young SHIN, Bingnan GU, Caitlin M. GUENTHER and Anandita SETH ("Assignors") hereby irrevocably sells, transfers, conveys, and assigns to Louza Walkersville, Inc., with principal offices located at 8830 Biggs Ford Road, Walkersville, Maryland 21793-0127, United States ("Assignee") their entire right, title and interest for the United States of America and its territorial possessions and all other countries and patent regions, including all rights of priority and rights to recover for infringement, in the invention(s) disclosed in the patent application entitled:

### AUTOMATED PRODUCTION OF VIRAL VECTORS

for which U.S. Patent Application No. 16/720,227 was filed December 19, 2019; and

Assignee is desirous of securing Assignors' entire right, title, and interest in and to this invention in all countries throughout the world, and in and to any application of United States Letters Patent on this invention and the Letters Patent to be issued that may claim priority to this application together with the entire right, title, and interest in and to all patents and patent applications that claim priority thereto as well as all divisional, continuation, continuation-in-part, reissue, reexamination, extension or other applications based in whole or in part thereon or that claim priority or are related by terminal disclaimer thereto or therefrom, and all Letters Patent of the United States and all other countries and patent regions worldwide that may or shall be granted on said inventions, or any parts thereof ("Assignment").

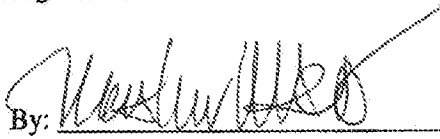
NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, Assignor, has sold, assigned, transferred, and set over, and does hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, his entire right, title, and interest in and to this invention and this application, and all divisions, continuations, continuations-in-part thereof, and all Letters Patent of the United States, which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and Assignors hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent of this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, ASSIGNOR HEREBY covenants that it has the full right to convey the interest assigned by this Assignment, and it has not executed and will not execute any agreement in conflict with this Assignment;

AND, ASSIGNOR HEREBY further covenants and agrees that it will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to Assignee respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, continuation-in-part, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

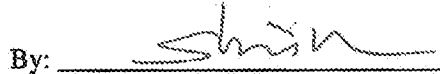
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Assignor hereby executes this Assignment.

By: 

Date: 16 JAN 2020

Name: Matthew HEWITT

By: 

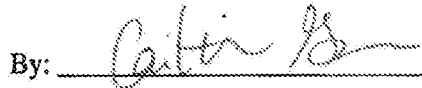
Date: 15 Jan 20

Name: Young SHIN

By: 

Date: 15 Jan 2020

Name: Bingnan GU

By: 

Date: 15 Jan 20

Name: Caitlin M. GUENTHER

By: 

Date: 15 Jan 2020

Name: Anandita SETH