

<b>PATENT ASSIGNMENT COVER SHEET</b>
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 Stylesheet Version v1.2

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ALYSSA M. LARSON	10/23/2014
KEVIN LOVE	10/27/2014
ALISHA K. WEIGHT	10/20/2014
ALAN CRANE	10/20/2014
ROBERT S. LANGER	10/29/2014
ALEXANDER M. KLIBANOV	10/24/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ARSIA THERAPEUTICS, INC.
<b>Street Address:</b>	1000 WINTER STREET
<b>Internal Address:</b>	SUITE 3350
<b>City:</b>	WALTHAM
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02451
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14484053
<b>PCT Number:</b>	US2014055245
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(404)879-2160
<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>	404-879-2163
<b>Email:</b>	deborah@pabstpatent.com
<b>Correspondent Name:</b>	PABST PATENT GROUP LLP
<b>Address Line 1:</b>	1545 PEACHTREE STREET
<b>Address Line 4:</b>	ATLANTA, GEORGIA 30309
<b>ATTORNEY DOCKET NUMBER:</b>	ARSIA 101/105 PCT
<b>NAME OF SUBMITTER:</b>	DEBORAH D. COLES
<b>SIGNATURE:</b>	/Deborah D. Coles/
<b>DATE SIGNED:</b>	11/04/2014

PATENT

**Total Attachments: 9**

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## ASSIGNMENT

We, Alyssa M. Larson of 25086 Perch Dr., Dana Point, California, 92629, Kevin Love of 403 Commonwealth Avenue, #5R, Boston, Massachusetts 02215, Alisha K. Weight, of 15522 25<sup>th</sup> Dr., SE, Mill Creek, Washington, 98012, Alan Crane of 25 Quidnic Road, Waban, Massachusetts 02468, Robert S. Langer of 98 Montvale Road, Newton, Massachusetts, 02459, and Alexander M. Klibanov of 85 East India Row, Apartment 23A, Boston, Massachusetts, 02110, for good and valuable consideration from Arsia Therapeutics, Inc., a corporation of the state of Delaware, having its principal place of business at 1000 Winter Street, Suite 3350, Waltham, Massachusetts, 02451 (hereinafter "said Assignee"), the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said Assignee, its successors and assigns, the entire interest for the United States of America, and its territories and all foreign countries and jurisdictions, including all rights of priority under the International Convention for the Protection of Industrial Property, in (1) a certain invention(s) and/or improvement(s) in "*Liquid Protein Formulations Containing Ionic Liquids*" described in U.S. Application No. 14/484,053 filed in the United States Patent and Trademark Office on September 11, 2014 and International Application No. PCT/US2014/055245 filed in the United States Receiving Office for the Patent Cooperation Treaty on September 11, 2014, by Alyssa M. Larson, Kevin Love, Alisha K. Weight, Alan Crane, Robert S. Langer and Alexander M. Klibanov, and in the provisional application(s) to which priority is claimed, being U.S. Provisional Application No. 62/030,521, filed July 29, 2014, U.S. Provisional Application No. 62/026,497, filed July 18, 2014, U.S. Provisional Application No. 62/008,050, filed June 5, 2014, U.S. Provisional Application No. 61/988,005, filed May 2, 2014, U.S. Provisional Application No. 61/946,436, filed February 28,

Title: "Liquid Protein Formulations Containing Ionic Liquids"

By: Alyssa M. Larson, Kevin Love, Alisha K. Weight, Alan Crane, Robert S. Langer and Alexander M. Klibanov

Filed: September 11, 2014

ASSIGNMENT

2014, U.S. Provisional Application No. 61/943,197, filed February 21, 2014, U.S. Provisional Application No. 61/940,227, filed February 14, 2014, and U.S. Provisional Application No. 61,876,621, filed September 11, 2013, (2) U.S. Application No. 14/484,053 filed September 11, 2014, International Application No. PCT/US2014/055245 filed September 11, 2014, U.S. Provisional Application No. 62/030,521, filed July 29, 2014, U.S. Provisional Application No. 62/026,497, filed July 18, 2014, U.S. Provisional Application No. 62/008,050, filed June 5, 2014, U.S. Provisional Application No. 61/988,005, filed May 2, 2014, U.S. Provisional Application No. 61/946,436, filed February 28, 2014, U.S. Provisional Application No. 61/943,197, filed February 21, 2014, U.S. Provisional Application No. 61/940,227, filed February 14, 2014, and U.S. Provisional Application No. 61,876,621, filed September 11, 2013, and (3) all Letters Patent of the United States and its territories and all foreign countries and jurisdictions which may or shall be granted on said invention(s), or on said application(s), or any provisional, divisional, continuation, reissue, or other applications based thereon. We agree, for ourselves and our executors and administrators, with said Assignee and its successors and assigns, but at its or their expense or charges, hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and its territories and in all other foreign countries and jurisdictions to said Assignee, with specifications and claims in such form as shall be approved by the counsel of said Assignee, and to vest and confirm in said Assignee, its successors and assigns, the legal title to all such patents.

Title: *"Liquid Protein Formulations Containing Ionic Liquids"*

By: Alyssa M. Larson, Kevin Love, Alisha K. Weight, Alan Crane, Robert S. Langer and Alexander M. Klibanov

Filed: September 11, 2014

ASSIGNMENT

We do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said Assignee, its successors and assigns.

We each individually do hereby state (1) that the application(s) was made or was authorized to be made by each of us and (2) that we each believe ourselves to be the original inventor or joint inventor of a claimed invention in the application(s).

We each individually do hereby authorize Assignee's attorney to correct any typographical errors on this form, if necessary, and to complete this form by the addition of the application number(s), application filing date(s), and attorney docket number(s), if necessary.

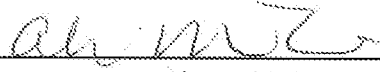
Title: "Liquid Protein Formulations Containing Ionic Liquids"

By: Alyssa M. Larson, Kevin Love, Alisha K. Weight, Alan Crane, Robert S. Langer and Alexander M. Klibanov

Filed: September 11, 2014

ASSIGNMENT

WITNESS my hand and seal this 23 day of October, 2014.

  
\_\_\_\_\_  
Alyssa M. Larson

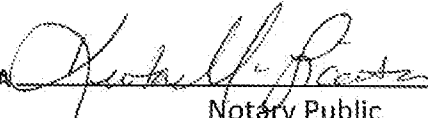
State of Massachusetts

County of Norfolk

Then personally appeared the above named Alyssa M. Larson and acknowledged the foregoing instrument to be her free act and deed, before me this 23 day of October, 2014.



KRISTA MARIE LICATA  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
May 28, 2021

  
\_\_\_\_\_  
Notary Public

My Commission expires: \_\_\_\_\_

Title: "Liquid Protein Formulations Containing Ionic Liquids"

By: Alyssa M. Larson, Kevin Love, Alisha K. Weight, Alan Crane, Robert S. Langer and Alexander M. Klibanov

Filed: September 13, 2014

ASSIGNMENT

WITNESS my hand and seal this 27<sup>th</sup> day of October, 2014.

  
\_\_\_\_\_  
Kevin Love

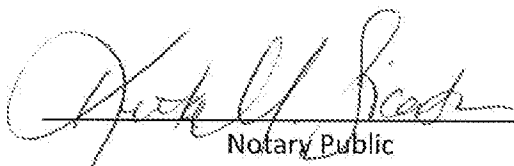
State of Massachusetts  
County of Middlesex

Then personally appeared the above named Kevin Love and acknowledged the foregoing instrument to be his free act and deed, before me this 27<sup>th</sup> day of October, 2014.



**KRISTA MARIE LICATA**  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires

My Commission expires: May 28, 2021

  
\_\_\_\_\_  
Notary Public

Title: "Liquid Protein Formulations Containing Ionic Liquids"

By: Alyssa M. Larson, Kevin Love, Alisha K. Weight, Alan Crane, Robert S. Langer and Alexander M. Kilbanov

Filed: September 11, 2014

ASSIGNMENT

WITNESS my hand and seal this 20 day of October, 2014.

Alisha K. Weight  
Alisha K. Weight

State of Massachusetts

County of Middlesex

Then personally appeared the above named Alisha K. Weight and acknowledged the foregoing instrument to be her free act and deed, before me this 20 day of October, 2014.



**KRISTA MARIE LICATA**  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
May 28, 2021

Krista Marie Licata  
Notary Public

My Commission expires: \_\_\_\_\_



Title: "Liquid Protein Formulations Containing Ionic Liquids"

By: Alyssa M. Larson, Kevin Love, Alisha K. Weight, Alan Crane, Robert S. Langer and Alexander M. Klibanov

Filed: September 11, 2014

ASSIGNMENT

WITNESS my hand and seal this 20th day of October, 2014.

Alan Crane  
Alan Crane

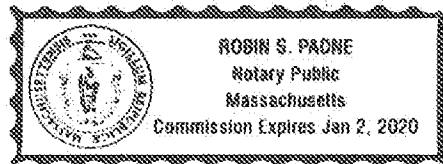
State of MASSACHUSETTS

County of MIDDLESEX

Then personally appeared the above named Alan Crane and acknowledged the foregoing instrument to be his free act and deed, before me this 20th day of OCTOBER, 2014.

Robin S. Prose  
Notary Public

My Commission expires: JAN 2, 2020




Title: "Liquid Protein Formulations Containing Ionic Liquids"

By: Alyssa M. Larson, Kevin Love, Alisha X. Weight, Alan Crane, Robert S. Langer and Alexander M. Klibanov

Filed: September 11, 2014

ASSIGNMENT

WITNESS my hand and seal this 29 day of October, 2014.


  
\_\_\_\_\_  
Robert S. Langer

State of

County of

Massachusetts  
Norfolk

Then personally appeared the above named Robert S. Langer and acknowledged the foregoing instrument to be his free act and deed, before me this 29 day of October, 2014.

  
\_\_\_\_\_  
Notary Public

My Commission expires: \_\_\_\_\_



**ILDA M. THOMPSON**  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
February 5, 2021

Title: "Liquid Protein Formulations Containing Ionic Liquids"

By: Alyssa M. Larson, Kevin Love, Alisha K. Weight, Alan Crane, Robert S. Langer and Alexander M. Klibanov

Filed: September 11, 2014

ASSIGNMENT

WITNESS my hand and seal this 24<sup>th</sup> day of October, 2014.

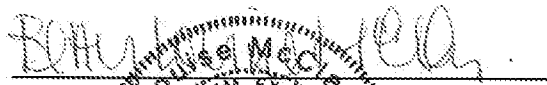


Alexander M. Klibanov

State of Massachusetts

County of Middlesex

Then personally appeared the above named Alexander M. Klibanov and acknowledged the foregoing instrument to be his free act and deed, before me this 24<sup>th</sup> day of October, 2014.



My Commission expires: July 30, 2021

