

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6165439

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BOB D. BROWN	01/15/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DICERNA PHARMACEUTICALS, INC.
<b>Street Address:</b>	33 HAYDEN AVE
<b>City:</b>	LEXINGTON
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02421
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16908313
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)997-4905
<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>	7039170000
<b>Email:</b>	docketing@mh2law.com, swilliams@mh2law.com
<b>Correspondent Name:</b>	MH2 TECHNOLOGY LAW GROUP, LLP (WITH DICE
<b>Address Line 1:</b>	1951 KIDWELL DRIVE
<b>Address Line 2:</b>	SUITE 310
<b>Address Line 4:</b>	TYSONS CORNER, VIRGINIA 22182
<b>ATTORNEY DOCKET NUMBER:</b>	0243.0011-04/DRNA006US07
<b>NAME OF SUBMITTER:</b>	SHULING LAU WILLIAMS
<b>SIGNATURE:</b>	/Shuling Lau Williams/
<b>DATE SIGNED:</b>	06/22/2020
<b>Total Attachments: 4</b>	
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## ASSIGNMENT BY INVENTOR

**THIS ASSIGNMENT**, made by Bob D. Brown (hereinafter referred to as Assignor), residing at 54 Leprechaun Drive, Millington, New Jersey 07946;

**WHEREAS**, Assignor has invented certain new and useful improvements in METHODS AND COMPOSITIONS FOR THE SPECIFIC INHIBITION OF KRAS BY ASYMMETRIC DOUBLE-STRANDED RNA, set forth in U.S. Patent Application No. 13/738,024, filed January 10, 2013; and

**WHEREAS**, Dicerna Pharmaceuticals, Inc., organized under and pursuant to the laws of Massachusetts, having its principal place of business at 480 Arsenal Street, Watertown, Massachusetts 02472 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, for good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

**AND** for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to

Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

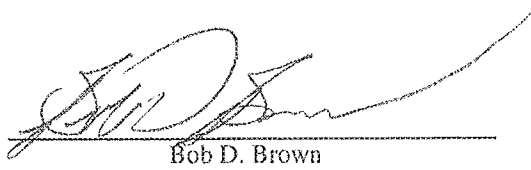
**AND** Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

**AND** Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

DICERNA PHARMACEUTICALS, INC.

All practitioners at Customer Number 15784

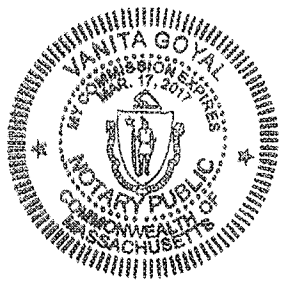
AND Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.


  
Bob D. Brown

Date: Jan 15, 2013

United States of America )  
State of Massachusetts ss.:  
County of Middlesex )

On this 15<sup>th</sup> day of January, 2013, before me  
personally came Bob D. Brown, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.



  
Notary Public Vanita Goyal

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