

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5274526

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHRISTINE I. WOODDELL	08/03/2016
DAVID B. ROZEMA	08/03/2016
DAVID L. LEWIS	08/03/2016
DARREN H. WAKEFIELD	08/03/2016
LAUREN J. ALMEIDA	08/03/2016
RECEIVING PARTY DATA	
Name:	ARROWHEAD PHARMACEUTICALS, INC.
Street Address:	225 SOUTH LAKE AVENUE
Internal Address:	SUITE 1050
City:	PASADENA
State/Country:	CALIFORNIA
Postal Code:	91101
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16148249
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Phone:	608-316-3984
Email:	patents@arrowheadpharma.com
Correspondent Name:	ROBERT M. TEIGEN
Address Line 1:	502 S. ROSA ROAD
Address Line 4:	MADISON, WISCONSIN 53719
ATTORNEY DOCKET NUMBER:	30635-US2
NAME OF SUBMITTER:	ROBERT M. TEIGEN
SIGNATURE:	/Robert M. Teigen/
DATE SIGNED:	12/10/2018
Total Attachments: 4	

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ASSIGNMENT

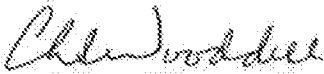
For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, Christine I. Wooddell of Madison, Wisconsin; David B. Rozema of Cross Plains, Wisconsin; David L. Lewis of Madison, Wisconsin; Darren H. Wakefield of Fitchburg, Wisconsin; and Lauren J. Almeida of Madison, Wisconsin, hereby assign to: ARROWHEAD PHARMACEUTICALS, INC., a corporation of Delaware, having a place of business at 225 South Lake Avenue, Suite 1050, Pasadena, California, 91101; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements which are the subject of and described and/or claimed in a application for Patent, entitled "RNAi Therapy for Hepatitis B Virus Infection," Docket No. 30635; this assignment including said application, any and all United States and foreign patents, utility patents and models, continuations, continuations-in-part, divisionals, reexaminations, reissues, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and this assignment also including, without limitation, any claims (known or unknown, suspected or unsuspected) of any nature that we have or may have against any party for infringement of any of the patents and patent applications listed herein, and the right to sue for past infringement and to recover and retain damages and profits in respect thereof; and

we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations, and like rights of exclusion and for inventors' certificates for said inventions and improvements; and

we hereby covenant and agree that we will communicate to the Assignee or nominees all facts known to us pertaining to said inventions and improvements, and we agree for ourselves and our respective heirs, legal representatives, and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, reissues, Preliminary Statements, and other lawful documents, testify in all legal proceedings, make all rightful oaths and declarations, and in general perform or cause to be performed all lawful acts necessary or proper to aid the Assignee or nominees in obtaining, maintaining, and enforcing all lawful patent protection for the inventions and improvements in the United States and in foreign countries; and


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

IN WITNESS WHEREOF, I hereto set my hand and seal at Madison, Wisconsin, this
3rd day of August, 2016.



Christine I. Wooddell

State of Wisconsin)
County of Dane)

Before me this 3rd day of August, 2016, personally appeared Christine I. Wooddell known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that she executed the same as her free act and deed for the purposes therein contained.



Kirk Ekena
Notary Public, Dane County, WI
My Commission Expires: 12 March 2017

IN WITNESS WHEREOF, I hereto set my hand and seal at Madison, Wisconsin, this
3rd day of August, 2016.

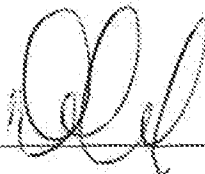

David B. Rozema

State of Wisconsin)
County of Dane)

Before me this 3rd day of August, 2016, personally appeared David B. Rozema known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.


Kirk Ekena
Notary Public, Dane County, WI
My Commission Expires 12 March 2017

IN WITNESS WHEREOF, I hereto set my hand and seal at Madison, Wisconsin, this 3rd day of August, 2016.



David L. Lewis

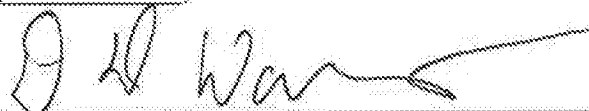
State of Wisconsin)
County of Dane)

Before me this 3rd day of August, 2016, personally appeared David L. Lewis known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.



Kirk Ekena
Notary Public, Dane County, WI
My Commission Expires: 12 March 2017

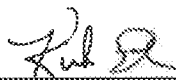
IN WITNESS WHEREOF, I hereto set my hand and seal at Madison, Wisconsin, this 3rd day of August, 2016.



Darren H. Wakefield

State of Wisconsin)
County of Dane)

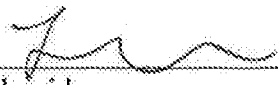
Before me this 3rd day of August, 2016, personally appeared Darren H. Wakefield known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.



Kirk Ekena
Notary Public, Dane County, WI
My Commission Expires: 12 March 2017

IN WITNESS WHEREOF, I hereto set my hand and seal at Madison, Wisconsin, this

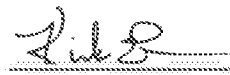
3rd day of August, 2016.



Lauren J. Almeida

State of Wisconsin)
County of Dane)

Before me this 3rd day of August, 2016, personally appeared Lauren J. Almeida known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that she executed the same as her free act and deed for the purposes therein contained.



Kirk Ekena
Notary Public, Dane County, WI
My Commission Expires: 12 March 2017