

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5707842

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DAVID P. BARTEL	05/22/2001
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH
<b>Street Address:</b>	NINE CAMBRIDGE CENTER
<b>City:</b>	CAMBRIDGE
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02142
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14885288
<b>Patent Number:</b>	8420391
<b>Patent Number:</b>	9193753
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)395-7070
<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>	(617) 395-7000
<b>Email:</b>	AKMPatents@LALaw.com
<b>Correspondent Name:</b>	LANDO & ANASTASI, LLP
<b>Address Line 1:</b>	RIVERFRONT OFFICE PARK
<b>Address Line 2:</b>	ONE MAIN STREET, SUITE 1100
<b>Address Line 4:</b>	CAMBRIDGE, MASSACHUSETTS 02142
<b>ATTORNEY DOCKET NUMBER:</b>	A2038-7104/23/44FSR/45FSR
<b>NAME OF SUBMITTER:</b>	AMANDA K. MCFEDRIES
<b>SIGNATURE:</b>	/AMANDA K. MCFEDRIES/
<b>DATE SIGNED:</b>	09/09/2019
<b>Total Attachments: 2</b>	
source=A2038-7104 Assignment Bartel to WIBR#page1.tif	
source=A2038-7104 Assignment Bartel to WIBR#page2.tif	

ASSIGNMENT

WHEREAS, I, **David P. Bartel** together with co-inventor(s) **Thomas Tuschl, Phillip D. Zamore and Phillip A. Sharp**, have invented a certain improvement in **RNA Sequence-Specific Mediators of RNA Interference**, described in an application for Letters Patent of the United States, the specification of which:

- is being executed on even date herewith and is about to be filed in the United States Patent Office;
- was filed on **March 30, 2001** as Application No. **09/821,832**;
- was patented under U.S. Patent No.  on .

WHEREAS, **Whitehead Institute for Biomedical Research** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Delaware** and having a usual place of business at **Nine Cambridge Center, Cambridge, Massachusetts 02142** desires to acquire an interest therein in accordance with agreements duly entered into with me;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, my entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with my entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made; I hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. I hereby acknowledge that this assignment, being of my entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, I do hereby authorize and request the Commissioner of Patents 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, assigns, and legal representatives.

Inventor *David P. Bartel* Date 5/22/01  
**David P. Bartel**

Address 2 Bowker St  
Brookline MA 02445

Witness *[Signature]*  
Address 42 Craigie St Apt #2  
Somerville, MA 02143

Witness *[Signature]*  
Address 5 Garden Court #2  
Cambridge, MA 02138

:::ODMA\MHODMA\IMANAGE;218010;1