

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4522257

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	CHANGE OF NAME
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ISIS PHARMACEUTICALS, INC.	12/18/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	IONIS PHARMACEUTICALS, INC.
<b>Street Address:</b>	2855 GAZELLE COURT
<b>City:</b>	CARLSBAD
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92010
<b>PROPERTY NUMBERS Total: 10</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	6194598
Patent Number:	6190869
Patent Number:	6187586
Patent Number:	6187587
Patent Number:	6187545
Patent Number:	6180353
Patent Number:	6177273
Patent Number:	6172216
Patent Number:	6172209
Patent Number:	6171860
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(760)603-3820
<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>	760-603-2553
<b>Email:</b>	leames@ionisph.com
<b>Correspondent Name:</b>	IONIS PHARMACEUTICALS, INC.
<b>Address Line 1:</b>	2855 GAZELLE COURT
<b>Address Line 4:</b>	CARLSBAD, CALIFORNIA 92010
<b>ATTORNEY DOCKET NUMBER:</b>	NAME CHANGE

<b>NAME OF SUBMITTER:</b>	LAURA EAMES
<b>SIGNATURE:</b>	/Laura Eames/
<b>DATE SIGNED:</b>	07/26/2017
<b>Total Attachments: 2</b> source=ISIS PHARMACEUTICALS INC - DE - Amendment#page1.tif source=ISIS PHARMACEUTICALS INC - DE - Amendment#page2.tif	

# Delaware

The First State

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I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "ISIS PHARMACEUTICALS, INC.", CHANGING ITS NAME FROM "ISIS PHARMACEUTICALS, INC." TO "IONIS PHARMACEUTICALS, INC.", FILED IN THIS OFFICE ON THE EIGHTEENTH DAY OF DECEMBER, A.D. 2015, AT 9:30 O`CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



  
Jeffrey W. Bullock, Secretary of State

2258177 8100  
SR# 20151425168

You may verify this certificate online at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)

Authentication: 10646087  
Date: 12-18-15

**PATENT**  
**REEL: 043350 FRAME: 0108**

**CERTIFICATE OF AMENDMENT  
TO THE RESTATED CERTIFICATE OF INCORPORATION**

Isis Pharmaceuticals, Inc., a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware (the "Corporation"), hereby certifies that:

**FIRST:** The name of the Corporation is Isis Pharmaceuticals, Inc.

**SECOND:** The date on which the Certificate of Incorporation of the Corporation was originally filed with the Secretary of State of the State of Delaware is March 25, 1991.

**THIRD:** The Board of Directors of the Corporation, acting in accordance with the provisions of Sections 141 and 242 of the General Corporation Law of the State of Delaware, adopted resolutions to amend its Restated Certificate of Incorporation as follows:

Article 1 shall be amended and restated to read in its entirety as follows:

"The name of the corporation is Ionis Pharmaceuticals, Inc."

**IN WITNESS WHEREOF**, Isis Pharmaceuticals, Inc. has caused this Certificate of Amendment to be signed by its chief operating officer this 18<sup>th</sup> day of December, 2015.

ISIS PHARMACEUTICALS, INC.

By: 

B. Lynne Parshall, Chief Operating Officer