507257717 04/28/2022

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE

CONVEYING PARTY DATA

Name	Execution Date
BROOKHAVEN SCIENCE ASSOC-BROOKHAVEN LAB	04/13/2017

RECEIVING PARTY DATA

Name:	UNITED STATES DEPARTMENT OF ENERGY	
Street Address:	1000 INDEPENDENCE AVE. S.W.	
City:	WASHINGTON	
State/Country:	D.C.	
Postal Code:	20585	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14452049

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DATE SIGNED:	04/28/2022

Total Attachments: 1

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PATENT 507257717 REEL: 059765 FRAME: 0721

CONFIRMATORY LICENSE

Application for:

Combined Hairpin-Antisense Compositions and Methods for

Modulating Expression

Inventor(s):

Shanklin, et al.

Serial No.:

14/452,049

Filing Date (U.S.):

August 5, 2014

Contract No.:

DE-SC0012704

Contractor:

Brookhaven Science Associates, LLC

The invention identified above is a "Subject Invention" contract number DE-AC02-98CH-10886. A copy of the provisions of contract number DE-AC02-98CH-10886 (executed on January 5, 1998) governing patent rights in the Subject Invention at the time the invention was made has been submitted to the U.S. Department of Energy.

The Contractor hereby confirms that under the provisions of the above-numbered contract (executed on January 5, 2015) governing patent rights, it has granted to the Government a nonexclusive, nontransferable, irrevocable, paid-up license to practice or to have practiced for on behalf of the United States the subject invention throughout the world. This license applies to the invention in the above-identified patent application and any and all divisions or continuations thereof and any resulting patent or reissue patent which may be granted thereon.

It is understood and agreed that this document does not preclude the Government from asserting rights under the provisions of said contract or any other agreement between the Government and the Contractor, or any other rights of the Government with respect to the above-identified invention.

The Contractor hereby grants the Government an irrevocable power to inspect and make copies of the above-identified application.

Signed this 13th day of April , 2017.

BROOKHAVEN SCIENCE ASSOCIATES, LLC/

BROOKHAVEN NATIONAL LABORATORY

By

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PATENT REEL: 059765 FRAME: 0722

RECORDED: 04/28/2022