PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 Assignment ID: PATI443532

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
Satoshi OBIKA	07/15/2019
Reiko WAKI	06/18/2019
Takao INOUE	07/16/2019
Tokuyuki YOSHIDA	07/16/2019
Kunihiko MORIHIRO	07/13/2019
Yuya KASAHARA	07/16/2019
Atsushi MIKAMI	07/16/2019

RECEIVING PARTY DATA

Company Name:	OSAKA UNIVERSITY	
Street Address:	1-1, Yamadaoka	
City:	Suita-shi, Osaka	
State/Country:	JAPAN	
Postal Code:	565-0871	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17666341

CORRESPONDENCE DATA

Fax Number: 3126165700

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.

Phone: 3126165600

Email: jpawlowski@leydig.com,assignments@leydig.com

Correspondent Name: Leydig, Voit & Mayer, LTD.

Address Line 1: Two Prudential Plaza, Suite 4900

Address Line 2: 180 N. Stetson Avenue
Address Line 4: Chicago, ILLINOIS 60601

ATTORNEY DOCKET NUMBER:	758737
NAME OF SUBMITTER:	Juliann Pawlowski
SIGNATURE:	Juliann Pawlowski
DATE SIGNED:	08/21/2024

508717789 PATENT REEL: 068357 FRAME: 0714

Total Attachments: 15 source=Assignment#page1.tiff source=Assignment#page2.tiff source=Assignment#page3.tiff source=Assignment#page4.tiff source=Assignment#page5.tiff source=Assignment#page6.tiff source=Assignment#page7.tiff source=Assignment#page8.tiff source=Assignment#page9.tiff source=Assignment#page10.tiff source=Assignment#page11.tiff source=Assignment#page12.tiff source=Assignment#page13.tiff source=Assignment#page14.tiff source=Assignment#page15.tiff

PATENT REEL: 068357 FRAME: 0715

WHEREAS, I/WE

- (1) Satoshi OBIKA of c/o OSAKA UNIVERSITY, 1-1, Yamadaoka, Suita-shi, Osaka 565-0871 Japan,
- (2) Reiko WAKI of c/o OSAKA UNIVERSITY, 1-1, Yamadaoka, Suita-shi, Osaka 565-0871 Japan,
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- (6) Yuya KASAHARA of c/o OSAKA UNIVERSITY, 1-1, Yamadaoka, Suita-shi, Osaka 565-0871 Japan, and
- (7) Atsushi MIKAMI of c/o OSAKA UNIVERSITY, 1-1, Yamadaoka, Suita-shi, Osaka 565-0871 Japan,

hereinafter referred to as Assignor, have invented a certain invention entitled:

ANTISENSE OLIGONUCLEIC ACID

for which International Patent Application No. PCT/JP2018/006061 has been filed on February 20, 2018, and

WHEREAS, OSAKA UNIVERSITY, of 1-1, Yamadaoka, Suita-shi, Osaka 565-0871 Japan, hereinafter referred to as Assignee, is desirous of acquiring the entire U.S. right, title, and interest of Assignor in, to, and under the invention and the referenced International Patent Application, including the entire right, title, and interest of Assignor in, to, and under the U.S. national phase thereof, filed on August 21, 2019, under U.S. Application No. 16/487,762, and

Now, **THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

Assignor assigns and transfers to Assignee the entire U.S. right, title, and interest of Assignor in, to, and under the invention, the referenced International Patent Application and U.S. national phase thereof, and other such U.S. patent applications (e.g., continuations, continuations-in-part, divisionals, reissues, and reexaminations) that may be filed in the U.S. with a claim of priority to the referenced International Patent Application and/or the U.S. national phase application thereof, as well as U.S. patents that may issue thereon and that may

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Assignor will not execute any writing or do any act conflicting with the terms of this assignment,

Assignor will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to pursue the U.S. patent applications identified herein, including, but not limited to, rendering all necessary assistance in making applications for and obtaining patents that may issue thereon in the U.S. on the invention, and in enforcing any rights accruing as a result of such U.S. applications or patents, by, for example, executing statements and other affidavits,

Assignor and Assignee agree the terms of this assignment shall bind, and inure to the benefit of, the legal representatives, successors, and assigns of all parties hereto,

Assignor authorizes Assignee to insert in this assignment the number and filing date of the U.S. patent application if the number and filing date of the U.S. patent application are not recited herein at the time of execution of this assignment by any or all of the parties hereto,

Assignor and Assignee agree that U.S. law governs this assignment, and

Assignee acknowledges and accepts this assignment.

IN WITNESS WHEREOF, Assignor has hereunder set his/her hand on the date shown below.

Date 1/15/2019	Jatoshi Olika Assignor: Satoshi OBIKA
Date	Assignor: Reiko WAKI

Page 2 of 3

Date	
	Assignor: Takao INOUE
*	
Date	
	Assignor: Tokuyuki YOSHIDA
•	
Date	T " " MODIUDO
•	Assignor: Kunihiko MORIHIRO
·	
Date	Assignor: Yuya KASAHARA
	Assignor. Tuju in isi in in in
Data	
Date	Assignor: Atsushi MIKAMI

Page 3 of 3

REEL: 068357 FRAME: 0718

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Date	
	Assignor: Satoshi OBIKA
Date June 18, 2019	Reiko Waki
,	Assignor: Reiko WAKI

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Page 2 of 3

Date July 16th, 2019	Takao Inoue
	Assignor: Takao INOUE
Date VWy (6th, 2019	Fokuyaki Yoshida
· · · · · · · · · · · · · · · · · · ·	Assignor: Tokuyuki YOSHIDA
Date	
	Assignor: Kunihiko MORIHIRO
Date	
- ongonings-of-p-6-19-	Assignor: Yuya KASAHARA
Date	
	Assignor: Atsushi MIKAMI

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:	-	Assignor:	Reiko WAKI	

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Date	Assignor: Takao INOUE
Date	Assignor: Tokuyuki YOSHIDA
Date 7/13/2019	Runifilso montivo
	Assignor: Kunihiko MORIHIRO
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Datt	Assignor: Takao INOUE
Date	Assignor: Tokuyuki YOSHIDA
Date	Assignor: Kunihiko MORIHIRO
Date 16/7/2019	Yvya Kasahara Assignor: Yuya KASAHARA
Date	Assignor: Atsushi MIKAMI

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Page 3 of 3

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Date <u>2019/07/16</u>	Assignor: Atsushi MIK AMI

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RECORDED: 08/21/2024

Page 3 of 3