

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Takeshi WADA</td> <td>11/19/2012</td> </tr> <tr> <td>Yohei NUKAGA</td> <td>11/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	Takeshi WADA	11/19/2012	Yohei NUKAGA	11/19/2012
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Takeshi WADA	11/19/2012						
Yohei NUKAGA	11/19/2012						
RECEIVING PARTY DATA							
Name:	THE UNIVERSITY OF TOKYO						
Street Address:	3-1, Hongo 7-chome, Bunkyo-ku						
City:	Tokyo						
State/Country:	JAPAN						
Postal Code:	113-8654						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13582531</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13582531		
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Application Number:	13582531						
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Total Attachments: 3 source=P42553#page1.tif source=P42553#page2.tif source=P42553#page3.tif							

OP \$40.00 13582531

ASSIGNMENT

WHEREAS, **Takeshi WADA**, a citizen of JAPAN, whose post office address is c/o The University of Tokyo, 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 JAPAN, and **Yohei NUKAGA**, a citizen of JAPAN, whose post office address is c/o The University of Tokyo, 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 JAPAN, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

RIBONUCLEOSIDE PHOSPHOROTHIOATE MANUFACTURING METHOD

for which an application for Letters Patent in the United States entered the National Stage in the United States Patent and Trademark Office on September 04, 2012 and was awarded Application No. 13/582,531, and which Application is a National Stage of International Application No. PCT/JP2011/055018, filed March 04, 2011.

AND WHEREAS, **THE UNIVERSITY OF TOKYO**, a corporation organized and existing under the laws of JAPAN, whose post-office address is 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 JAPAN, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof.

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor and all rights to sue for past and future infringement thereunder, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

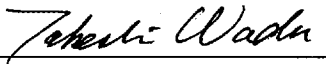
IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNOR(S), on the respective date(s) indicated below.

First Witness:



(Name) Kazunari MASUDA

November 19, 2012
(Date)



Takeshi WADA

November 19, 2012
Date

Second Witness:



(Name) Atsuko HOSOKAWA

November 19, 2012
(Date)

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNOR(S), on the respective date(s) indicated below.

First Witness:

Kazunari Masuda

(Name) Kazunari MASUDA

November 19, 2012

(Date)

Yohei Nukaga

Yohei NUKAGA

November 19, 2012

Date

Second Witness:

Atsuko Hosokawa

(Name) Atsuko HOSOKAWA

November 19, 2012

(Date)