PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Kunihiro HIRAI	07/31/2013
Satoshi KATAYAMA	07/31/2013
Takayoshi TORII	07/26/2013
Ryotaro NAKAYA	07/26/2013
Daisuke TAKAHASHI	07/26/2013

RECEIVING PARTY DATA

Name:	AJINOMOTO CO., INC.
Street Address:	15-1, Kyobashi 1-chome, Chuo-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	104-8315

PROPERTY NUMBERS Total: 1

Property Type	ype Number	
Application Number:	13768486	

CORRESPONDENCE DATA

Fax Number: 7034132220

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (703) 413-3000

Email: mkassaye@oblon.com

Correspondent Name: Oblon, Spivak, et al.

Address Line 1: 1940 Duke Street

Address Line 4: Alexandria, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	DRNEY DOCKET NUMBER: 412138US68	
NAME OF SUBMITTER: Mesfin Kassaye		
Signature:	/Mesfin Kassaye/	PATENT

502465340 REEL: 031048 FRAME: 0529

TOP \$40 00 13768/86

Date:	08/21/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 5 source=412138US68 ASSIGNMENT#page1.tif source=412138US68 ASSIGNMENT#page2.tif source=412138US68 ASSIGNMENT#page3.tif source=412138US68 ASSIGNMENT#page4.tif source=412138US68 ASSIGNMENT#page5.tif	

Title of Invention	OLIGONUCLEOTIDE WITH PROTECTED BASE	
As the below name	d inventor, I hereby declare that:	
	The attached application, or	
is directed to:	United States application or PCT international application number 13/768,486 filed on February 15, 2013	
The above-identifie	ed application was made or authorized to be made by me.	
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.		
WHEREAS, AJINOMOTO CO., INC. (hereinafter referred to as "ASSIGNEE") having places of business at: 15-1, Kyobashi 1-chome, Chuo-ku, Tokyo 104-8315 Japan		
, is desirous of acthat may be grante	quiring the entire right, title and interest in and to said invention and in and to any Letters Patent d therefore in the United States and its territorial possessions and in any and all foreign countries;	
NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.		
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, 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.		
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.		
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
LEGAL NAME C		
Inventor: Kuni	hiro HIRAI Date: Jul. 31 2013	
Signature:	Kunipero Livai	

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

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LEGAL NAME OF	INVENTOR	
Inventor: Satosh	iKATAYAMA Date: Jul. 31, 2013	
Signature:	Satolii Zatayouna	

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LEGAL NAME OF INVENTOR		
	oshi TORII Date: Jul. 26, 2013	
Signature:	Johnson Jen	

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LEGAL NAME OF INVENTOR			
Inventor: Ryotan	To NAKAYA Date: Jul. 26. 2013		
Signature:	Ryotaro Makaya		

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LEGAL NAME OF INVENTOR		
Inventor: Daisu	ke TAKAHASHI Date: Jul. 26, 20/3	
Signature:	abulhe Talapashi	

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PATENT REEL: 031048 FRAME: 0535

RECORDED: 08/21/2013