

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	OSAMU MATSUSHITA	09/30/2009
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	National University Corporation Kagawa University	
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<b>State/Country:</b>	JAPAN	
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<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	14743629
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<b>SIGNATURE:</b>	/TAMBRYN K. VANHEYNINGEN/	
<b>DATE SIGNED:</b>	08/23/2016	
<b>Total Attachments: 2</b>		
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## ASSIGNMENT

Pursuant to my obligation to the National University Corporation Kagawa University  
(hereinafter referred to as "Assignee"), having its principal place of business at:

1-1, Saiwai-cyo, Takamatsu-shi  
Kagawa 760-8521  
Japan

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged, I:

Osamu Matsushita  
3-2-1 Chiyoda Apt. 203  
Sagamihara, Kanagawa 229-0037  
Japan

confirm my obligation to, and effective as of April 9, 2008, hereby sell, assign and convey, unto  
Assignee, its successors and assigns, our entire right, title and interest

(1) in and to inventions described in a patent application titled FUSION PROTEINS OF  
COLLAGEN-BINDING DOMAIN AND PARATHYROID HORMONE the specification of which  
was filed with my authority on April 9, 2008 as International Patent Application No.  
PCT/US2008/004589 (hereinafter the "PCT application") which application claims the benefit of  
United States Provisional Patent Application No. 60/922433, filed April 9, 2007 (hereinafter the  
"U.S. provisional patent application");

(2) in and to the PCT application and the U.S. provisional patent application, in and to  
all other U.S. patent applications (including PCT national phase, divisional, continuation,  
continuation-in-part, §111(b) provisional, §111(a), and reissue applications) based upon said  
invention or claiming the benefit of the PCT application, or the U.S. provisional patent  
application, and in and to the patent or patents to be granted thereon, to the full end of the term  
or terms for which said patent or patents may be granted;

(3) in and to all patent applications on said invention now or hereafter filed in countries  
foreign to the United States of America, including foreign applications entering the national

phase of the PCT application, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted; and

(4) under the International Convention in respect to the PCT application and the U.S. provisional patent application.

I agree that any patent applications of any foreign countries which may be filed shall be filed in the name of Assignee with a claim to priority based on the PCT application and the U.S. provisional patent application.

I hereby agree that I will, upon demand of Assignee, its successors or assigns, and without further consideration to me, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by me.

And the Commissioner of Patents and Trademarks of the United States is hereby authorized and requested to issue said patent or patents to Assignee.

September 30, 2009

Date

Osamu Matsushita

Osamu Matsushita

I do hereby certify that Osamu Matsushita, personally known to me to be the same person who signed the foregoing instrument, appeared before me this day and acknowledged that said instrument was signed and delivered as the free and voluntary act of Osamu Matsushita, for the uses and purposes therein set forth.

Witness: Roberta Murata  
SIGNATURE

Date: September 30, 2009

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