

<b>PATENT ASSIGNMENT COVER SHEET</b>
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EPAS ID: PAT4525853

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LANCE P. ENCELL	09/15/2014
MARY P. HALL	09/15/2014
KEITH V. WOOD	09/15/2014
MONIKA G. WOOD	09/15/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PROMEGA CORPORATION
<b>Street Address:</b>	2800 WOODS HOLLOW ROAD
<b>City:</b>	MADISON
<b>State/Country:</b>	WISCONSIN
<b>Postal Code:</b>	53711-5399
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15644876
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(414)277-0656
<i>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.</i>	
<b>Phone:</b>	4142716560
<b>Email:</b>	madipdocket@michaelbest.com
<b>Correspondent Name:</b>	MICHAEL BEST & FRIEDRICH LLP
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<b>ATTORNEY DOCKET NUMBER:</b>	016026-9569-US02
<b>NAME OF SUBMITTER:</b>	SANSUN YEH
<b>SIGNATURE:</b>	/Sansun Yeh/
<b>DATE SIGNED:</b>	07/28/2017
<b>Total Attachments: 2</b>	
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## ASSIGNMENT

Pursuant to our obligation to **PROMEGA CORPORATION** (hereinafter referred to as "Assignee"), a Wisconsin Corporation having its principal place of business at:

2800 Woods Hollow Road  
Madison, WI 53711-5399

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

**Lance P. Encell**  
5637 Kinsale Drive  
Fitchburg, WI 53711

**Mary P. Hall**  
504 Skyview Drive  
Waunakee, WI 53597

**Keith V. Wood**  
c/o Promega Corporation  
2800 Woods Hollow Road  
Madison, WI 53711-5399

**Monika G. Wood**  
c/o Promega Corporation  
2800 Woods Hollow Road  
Madison, WI 53711-5399

confirm our obligation to and 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 "NOVEL LUCIFERASE SEQUENCES UTILIZING INFRARED-EMITTING SUBSTRATES TO PRODUCE ENHANCED LUMINESCENCE" for which we filed United States Provisional Patent Application No. 62/049,150 on September 11, 2014 (Atty. File No. 016026-9569-US00);

(2) in and to the U.S. provisional patent application, in and to all other patent applications (including divisional, continuation, continuation-in-part, and reissue applications) based upon said inventions, 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, 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 U.S. provisional patent application and agree that any patent applications of any foreign countries which may be filed shall be filed in the name of our Assignee with a claim to priority based on the U.S. provisional patent application.

We hereby agree that we will, upon demand of Assignee, its successors or assigns, and without further consideration to us, 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 us.

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

9-15-14  
Date

Lance P. Encell  
Lance P. Encell

9/15/14  
Date

Mary P. Hall  
Mary P. Hall

September 15, 2014  
Date

Keith V. Wood  
Keith V. Wood

9/15/14  
Date

Monika G. Wood  
Monika G. Wood

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