10/21/2019 505732883

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LANCE P. ENCELL	02/08/2018
MARY P. HALL	01/09/2018
MICHAEL KILLORAN	01/12/2018
THOMAS A. KIRKLAND	01/09/2018
PONCHO MEISENHEIMER	01/11/2018
CE SHI	02/08/2018

RECEIVING PARTY DATA

Name:	PROMEGA CORPORATION
Street Address:	2800 WOODS HOLLOW ROAD
City:	MADISON
State/Country:	WISCONSIN
Postal Code:	53711-5399

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16516974

CORRESPONDENCE DATA

Fax Number: (608)662-1276

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: 6086621277

Email: maschur@casimirjones.com

DAVID W. STAPLE **Correspondent Name:** Address Line 1: 2275 DEMING WAY

Address Line 2: **SUITE #310**

Address Line 4: MIDDLETON, WISCONSIN 53562

ATTORNEY DOCKET NUMBER:	PRMG-37148.303
NAME OF SUBMITTER:	DAVID W. STAPLE
SIGNATURE:	/David W. Staple/
DATE SIGNED:	10/21/2019

Total Attachments: 7 source=2019-05-24_37148_Assignment-Executed#page1.tif source=2019-05-24_37148_Assignment-Executed#page2.tif source=2019-05-24_37148_Assignment-Executed#page3.tif source=2019-05-24_37148_Assignment-Executed#page4.tif source=2019-05-24_37148_Assignment-Executed#page5.tif source=2019-05-24_37148_Assignment-Executed#page6.tif source=2019-05-24_37148_Assignment-Executed#page7.tif

ASSIGNMENT

Pursuant to my/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, l/we:

Lance P. Encell 5637 Kinsale Drive Fitchburg, WI 53711

Mary P. Hall 504 Skyview Drive Waunakee, WI 53597

Michael Killoran 5870 Roanoke Drive Fitchburg, WI 53719

Thomas A. Kirkland 13350 San Antonio Road Atascadero, CA 93422

Poncho Meisenheimer 2868 Victoria Avenue San Luis Obispo, CA 93401

Ce Shi 298 Via San Blas San Luis Obispo, CA 93401

confirm my/our obligation to and hereby sell, assign and convey, unto Assignee, its successors and assigns, my/our entire right, title and interest -

(1) in and to inventions described in a patent application titled "5,5-DISUBSTITUTED LUCIFERINS AND THEIR USE IN LUCIFERASE-BASED ASSAYS" for which I/we filed United States Non-Provisional Utility Patent Application No. 15/829,581 on December 1, 2017 (hereinafter the "U.S. utility patent application") (Attorney Docket No. 016026-9578-US01), and for which we filed International Patent Application No. PCT/US2017/064284 on December 1, 2017 (hereinafter the "PCT application") (Attorney Docket No. 016026-9578-WO01), both of which claim priority to United States Provisional Patent Application No. 62/428707 filed

December 1, 2016 (hereinafter "the U.S. provisional patent application") (Attorney Docket No. 016026-9578-US00);

- (2) in and to the U.S. utility patent application, the PCT application, and the U.S. provisional patent application, in and to all other patent applications (including divisional, continuation, continuation-in-part, 35 U.S.C. §111(b) provisional, 35 U.S.C. §111(a), 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, 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 U.S. utility patent application, the PCT application, and the U.S. provisional patent application.

I/We hereby authorize the assignee or attorney of record to insert in the appropriate place in this document the application number of my/our application after execution of this Assignment.

I/We 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 U.S. utility patent application, the PCT application, and the U.S. provisional patent application.

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

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

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2-8-18	Zar P. E.L
Date	Lance P. Encell
N.	
Date	Mary P. Hall

December 1, 2016 (hereinafter "the U.S. provisional patent application") (Attorney Docket No. 016026-9578-US00);

- (2) in and to the U.S. utility patent application, the PCT application, and the U.S. provisional patent application, in and to all other patent applications (including divisional, continuation, continuation-in-part, 35 U.S.C. §111(b) provisional, 35 U.S.C. §111(a), 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, 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 U.S. utility patent application, the PCT application, and the U.S. provisional patent application.

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

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

Date	Lance P. Encell
1/9/18	Mary P. Will
Date	Mary P. Hall

//ɪz/ɪశ Date	Mai
Date	Michael Killoran
Date	Thomas A. Kirkland
Date	Poncho Meisenheimer
Date	Ce Shi

Date	Michael Killoran
1/9/18	Thomas A Kirkland
Date	Thomas A. Kirkland
Date	Poncho Meisenheimer
Date	Ce Shi

Date	Michael Killoran
Date	Thomas A. Kirkland
01-11-2018 Date	Poncho Meisenheimer
Date	Ce Shi

Date	Michael Killoran
Date	Thomas A. Kirkland
Date	Poncho Meisenheimer
2/8/يود Date	Ce Shi

RECORDED: 10/21/2019