

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3904180

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
FRANK FAN	06/12/2007
BROCK BINKOWSKI	06/12/2007
KEITH V. WOOD	06/12/2007
SUSAN WIGDAL	06/12/2007
MONIKA G. WOOD	06/12/2007
<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
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15168631
<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>	414-271-6560
<b>Email:</b>	mkeipdocket@michaelbest.com
<b>Correspondent Name:</b>	MICHAEL BEST & FRIEDRICH LLP
<b>Address Line 1:</b>	100 E. WISCONSIN AVENUE, SUITE 3300
<b>Address Line 4:</b>	MILWAUKEE, WISCONSIN 53202-4108
<b>ATTORNEY DOCKET NUMBER:</b>	016026-9474-US04
<b>NAME OF SUBMITTER:</b>	SANSUN YEH
<b>SIGNATURE:</b>	/sansun yeh/
<b>DATE SIGNED:</b>	06/06/2016
<b>Total Attachments: 12</b>	
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### ASSIGNMENT

WHEREAS, We, Brock Binkowski, residing at E9121 State Road 60, Sauk City, WI 53583, and Frank Fan, residing at 823 Tamarck Way, Verona, WI 53593, and Susan Wigdal, residing at W4040 Kammes Drive, Belleville, WI 53508, and Keith V. Wood, residing at 8380 Swan Road, Mt. Horeb, WI 53572, and Monika G. Wood, residing at 8380 Swan Road, Mt. Horeb, WI 53572, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on April 2, 2007, which application was assigned U.S. patent application serial number 11/732,105, and is entitled PERMUTED AND NONPERMUTED LUCIFERASE BIOSENSORS:

AND WHEREAS, Promega Corporation, a corporation organized and existing under and by virtue of the laws of the State of Wisconsin, and having an office and place of business at 2800 Woods Hollow Road, Madison, WI 53711 (hereinafter "Assignee"), is desirous of acquiring the entire right, priority right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

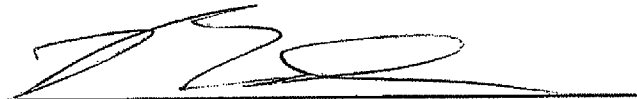
NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 12 day of

June, 2007.

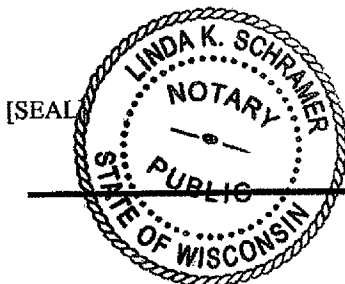


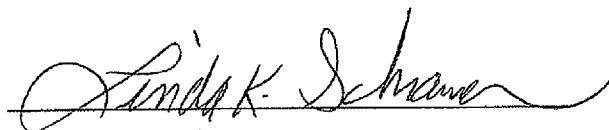
Brock Binkowski

STATE OF Wisconsin

COUNTY OF Dane )ss

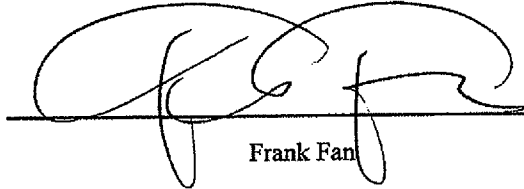
On this 12<sup>th</sup> day of June, 2007 before me personally appeared Brock Binkowski, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.



  
Notary Public

my commission expires 4/18/2010

IN TESTIMONY WHEREOF, I have hereunto set my hand this 12 day of  
June, 2007.

  
Frank Fan

STATE OF Wisconsin )

COUNTY OF Sauk )ss

On this 12<sup>th</sup> day of June, 2007 before me personally appeared Frank Fan, to  
me known and known to me to be the person described in and who executed the foregoing instrument,  
and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set  
forth.

[SEAL]



Notary Public

exp. 4/18/11

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 12 day of June, 2007.

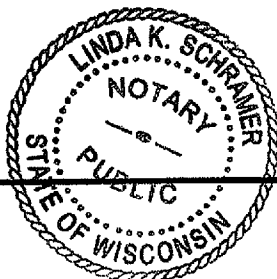
  
Susan Wigdal

STATE OF Wisconsin )  
 )ss

COUNTY OF Ingle

On this 12<sup>th</sup> day of June, 2007 before me personally appeared Susan Wigdal, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Linda Schaner  
Notary Public

my commission expires 4/18/2010

IN TESTIMONY WHEREOF, I have hereunto set my hand this 12<sup>th</sup> day of June, 2007.

STATE OF Wisconsin  
COUNTY OF Dane )ss

Keith V. Wood  
Keith V. Wood

On this 12<sup>th</sup> day of June, 2007 before me personally appeared Keith V. Wood, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Candace A. Conal

Notary Public exp. 04/18/11

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 12 day of

June, 2007.

W. Wood

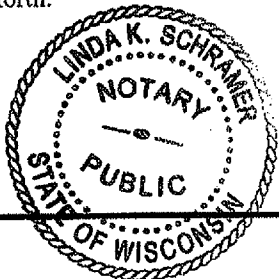
Monika G. Wood


STATE OF Wisconsin )  
 ) ss

COUNTY OF Dane

On this 12<sup>th</sup> day of June, 2007 before me personally appeared Monika G. Wood, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



  
Notary Public

my commission expires 4/18/2010



## ASSIGNMENT

WHEREAS, We, Brock Binkowski, residing at E9121 State Road 60, Sauk City, WI 53583, and Frank Fan, residing at 823 Tamarck Way, Verona, WI 53593, and Susan Wigdal, residing at W4040 Kammes Drive, Belleville, WI 53508, and Keith V. Wood, residing at 8380 Swan Road, Mt. Horeb, WI 53572, and Monika G. Wood, residing at 8380 Swan Road, Mt. Horeb, WI 53572, made certain new and useful inventions and improvements for which we filed an international patent on 2 April 2007, under International Application No. PCT/US2007/008176, which is entitled PERMUTED AND NONPERMUTED LUCIFERASE BIOSENSORS;

AND WHEREAS, Promega Corporation, a corporation organized and existing under and by virtue of the laws of the State of Wisconsin, and having an office and place of business at 2800 Woods Hollow Road, Madison, WI 53711 (hereinafter "Assignee"), is desirous of acquiring the entire right, priority right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

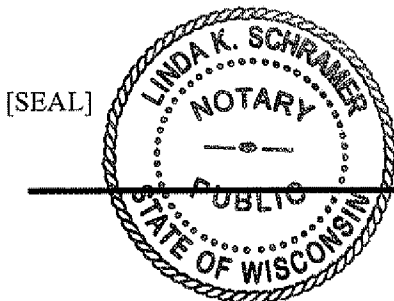
IN TESTIMONY WHEREOF, I have hereunto set my hand this 11 day of July, 2007.

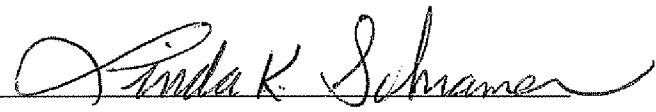


Brock Binkowski

STATE OF Wisconsin  
COUNTY OF Dane )ss


On this 11th day of July, 2007 before me personally appeared Brock Binkowski, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.



  
Notary Public

*my commission expires 4/18/2010*

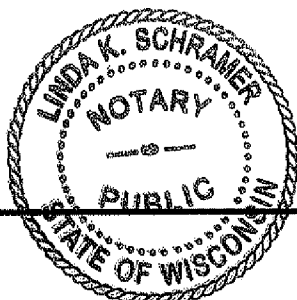
IN TESTIMONY WHEREOF, I have hereunto set my hand this 11 day of July, 2007.


  
Frank Fan

STATE OF Wisconsin )  
 )ss  
COUNTY OF Dane )

On this 11<sup>th</sup> day of July, 2007 before me personally appeared Frank Fan, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.


[SEAL]



  
Notary Public

my commission expires 4/18/2010

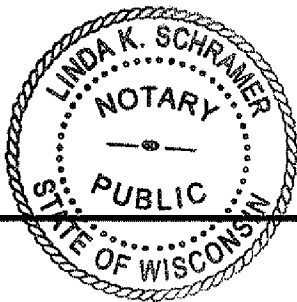
IN TESTIMONY WHEREOF, I have hereunto set my hand this 11 day of July, 2007.

  
Susan Wigdal

STATE OF Wisconsin )  
 ) ss  
COUNTY OF Dane )

On this 11<sup>th</sup> day of July, 2007 before me personally appeared Susan Wigdal, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.


[SEAL]



Linda K. Schrame  
Notary Public

my commission expires 4/18/2010

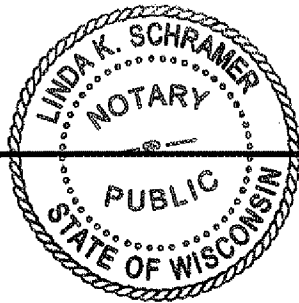
IN TESTIMONY WHEREOF, I have hereunto set my hand this 11<sup>th</sup> day of July, 2007.

  
Keith V. Wood

STATE OF Wisconsin )  
 )SS  
COUNTY OF Dane )

On this 11<sup>th</sup> day of July, 2007 before me personally appeared Keith V. Wood, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Linda K Schuman  
Notary Public

my commission expires 4/18/2010

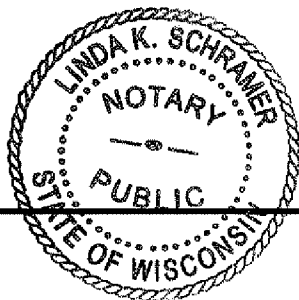
IN TESTIMONY WHEREOF, I have hereunto set my hand this 11 day of July, 2007.

Monika G. Wood  
Monika G. Wood

STATE OF Wisconsin  
COUNTY OF Dane )ss

On this 11th day of July, 2007 before me personally appeared Monika G. Wood, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Linda K Schramer  
Notary Public

my commission expires 4/18/2010