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Atty Ref/Docket No.: 341	.043US1
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To the Director of the U.S. Patent and Trademark Office: Please	e record the attached original documents or copy thereof.  Name and address of receiving party(ies):
1. Name of conveying party(ies):  Brock Binkowski, Frank Fan, Susan Wigdal, Keith V. Wood and Monika G. Wood  Additional name(s) of conveying party(ies) attached?  [ ]Yes [X]No  3. Nature of conveyance:  [X] Assignment [ ] Merger  [ ] Security Agreement [ ] Change of Name  [ ] Other	2. Name and address of receiving party(ies):  Name: Promega Corporation  Street Address: 2800 Woods Hollow Road  City: Madison State: WI Zip: 53711  Additional name(s) & address(es) attached? [ ]Yes [X]No
Execution Date: June 12, 2007, June 12, 2007, June 12, 2007, June 12, 2007  4. Application number(s) or patent number(s):  If this document is being filed together with a new application  A. Patent Application No.(s)  Serial No. 11/732,105, filed April 2, 2007	n, the execution date of the application is:  B. Patent No.(s)
Additional numbers attached? [ ]Yes [X]No	6. Total number of applications and patents involved: 1
5. Name and address of party to whom correspondence concerning document should be mailed:	7. Total fee (37 CFR 3.41):\$ <u>40.00</u>
Name: Janet E. Embretson  Address: Schwegman, Lundberg & Woessner, P.A. P.O. Box 2938 Minneapolis, MN 55402-0938	<ul> <li>[ ]Enclosed</li> <li>[X]Authorized to be charged to deposit account</li> <li>19-0743</li> <li>8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743</li> </ul>
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9. Statement and signature.  To the best of my knowledge and belief, the foregoing inform of the original document.  Janet E. Embretson/ Reg. No. 39,665  Name of Person Signing	<del></del>
Mail documents to be recorded with required cover sheet info	ormation to:

Alexandria, VA 22313-1450
PATENT

700338485

P.O. Box 1450

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PATENT REEL: 019718 FRAME: 0001

## 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, thade 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, <u>Promega Corporation</u>, a corporation organized and existing under and by virtue of the laws of the State of <u>Wisconsin</u>, and having an office and place of business at <u>2800 Woods Hollow Road</u>, <u>Madison</u>, <u>WI 53711</u> (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.

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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 17 day of
Brock Binkowski
STATE OF WISCHSIND
county of Danl
On this _(2 th 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.
NOAK SCH

PATENT REEL: 019718 FRAME: 0003 Droket No: 341.043US1 Serial Number : 11/732,105 Filing Date : April 2, 2007 Page 3 of 6

IN TESTIMONY WHEREOF, I have hereunto set my hand this 12 day of
June 2007.
STATE OF White arm  () )ss
STATE OF White MIN
COUNTY OFSauk)ss
On this 12th day of, 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] Candace a. Corral  Notary Public eyp. 4/18/11
10 and 1 and 17 4 1 6 7 1

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

Jusen & W

Lund 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]

Notary Public

**PATENT** 

**REEL: 019718 FRAME: 0005** 

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IN TESTIMONY WHEREOF, I have	hereunto set my hand this Aday of
June 2007.	De lour
//~	Keith V. Wood
STATE OF Wisconsin	<del></del>
COUNTY OF Sank )ss	
On this 12th day of June	
Wood, to me known and known to me to be the p	erson 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 24P. 04/18/11
	<u> </u>

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 12 day of
4) Wood
, Monika G. Wood
STATE OF W.S. S. COMOJA:
COUNTY OF Devil
On this/2
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] NOTAR WELIC Notary Public
my commission Oppines 4/18/2010

## SCHWEGMAN $\blacksquare$ LUNDBERG $\blacksquare$ WOESSNER $\blacksquare$ KLUTH

PATENT, TRADEMARK & COPYRIGHT ATTORNEYS

P.O. Box 2938 Minneapolis, MN 55402

elephone (612) 373-6900

Facsimile (612) 339-3061

FROM: Janet E. Embretson

OUR REF: 341.043US1

Date:

Time:

(Minneapolis, Minn.)

TO:

Commissioner for Patents

Attn: Assignment Recordation Services

Patent Examining Corps

Facsimile Center P.O. Box 1450

Alexandria, VA 22313-1450

FAX NUMBER <u>571-273-0140</u>

Documents Transmitted:

Assignment (6 pages), Assignment Recordation Form Cover Sheet (1 page), authorization to charge Deposit Account No. 19-0743 in the amount of \$40.00 to cover the Assignment Recording Fee.

Total pages of this transmission, including cover letter: (8 pgs) If you do NOT receive all of the pages described above, please telephone us at 612-373-6900 or fax us at 612-339-3061.

In re. Patent Application of: Brock Binkowski et al.

Examiner: N/A

Serial No.: 11/732,105

Group Art Unit: 1652

Filed: April 2, 2007

Docket No.: 341.043US1

Title: PERMUTED AND NONPERMUTED LUCIFERASE BIOSENSORS

Please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on the date shown below.

RECORDED: 08/17/2007

**PATENT** 

REEL: 019718 FRAME: 0008