

PATENT ASSIGNMENT

Electronic Version v1.1

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| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | |
|--|---|----------------|---------------------|------------|--------------|------------|----------------|------------|------------------------|------------|----------------|------------|--|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Elmar Weinhold</td><td>10/20/2008</td></tr><tr><td>Thomas Meier</td><td>10/28/2008</td></tr><tr><td>Hartmut Duefel</td><td>10/28/2008</td></tr><tr><td>Christine Markert-Hahn</td><td>11/03/2008</td></tr><tr><td>Rainer Schmuck</td><td>10/28/2008</td></tr></tbody></table> | Name | Execution Date | Elmar Weinhold | 10/20/2008 | Thomas Meier | 10/28/2008 | Hartmut Duefel | 10/28/2008 | Christine Markert-Hahn | 11/03/2008 | Rainer Schmuck | 10/28/2008 | |
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| Elmar Weinhold | 10/20/2008 | | | | | | | | | | | | |
| Thomas Meier | 10/28/2008 | | | | | | | | | | | | |
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| Christine Markert-Hahn | 11/03/2008 | | | | | | | | | | | | |
| Rainer Schmuck | 10/28/2008 | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | |
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| City: | 10117 Berlin, Germany | | | | | | | | | | | | |
| State/Country: | GERMANY | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11570672</td></tr></tbody></table> | Property Type | Number | Application Number: | 11570672 | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | |
| Application Number: | 11570672 | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | Q008 1190US | | | | | | | | | | | | |
| NAME OF SUBMITTER: | Teresa Lavenue | | | | | | | | | | | | |
| Total Attachments: 7 | | | | | | | | | | | | | |
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PATENT AND INVENTION ASSIGNMENT

WHEREAS, the undersigned:

Elmar WEINHOLD, a citizen of Germany, residing at
Parkstr. 82, 52072 Aachen, Germany;

Thomas MEIER, a citizen of Germany, residing at
Drachenseestr. 12, 81373 Muenchen Germany;

Hartmut DUEFEL, a citizen of Germany, residing at
Fursaumstr. 11a, 82444 Schlehdorf, Germany;

Christine MARKERT-HAHN, a citizen of Germany, residing at
Saelweiherstr. 54, 82377 Penzberg, Germany

Rainer SCHMUCK, a citizen of Germany, residing at
Am Klosterweiher 7, 83671 Benediktbeuern, Germany

(hereinafter collectively referred to as "Assignors") have invented certain inventions and improvements disclosed in a non-provisional application for Letters Patent entitled **SEQUENCE-SPECIFIC DETECTION OF METHYLATION IN BIOMOLECULES**, which application was filed in the United States Patent and Trademark Office on December 14, 2006 under application Serial No. 11/570,672.

WHEREAS, **MAX-PLANCK-GESELLSCHAFT ZUR FÖRDERUNG DER WISSENSCHAFTEN E.V.**, a German corporation, having its principal place of business at *Berlin, Germany*, hereinafter called "**MAX-PLANCK**," desires to acquire joint right, title and interest in the patent application identified above, all related inventions, and all patents which may be obtained from said application in designated countries, as set forth below;

NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, **Assignors**, by these presents, do sell, assign and transfer unto **MAX-PLANCK** the full, exclusive and entire right, title and interest: (i) in and to all inventions and improvements disclosed and described in said application, (ii) in and to said application, (iii) in and to all divisional, continuation, and continuation-in-part applications describing in whole or in part the said inventions and improvements, preparatory to obtaining Patents of the United States therefor, (iv) in and to all patents of the United States which may be granted on the foregoing and all reissues and extensions thereof, (v) in and to any provisional patent applications filed in the United States describing in whole or in part the said inventions and improvements, from which priority has been or may be claimed under Title 35 of the United States Code, and (vi) in and to the right to claim any applicable foreign and domestic

priority rights arising from any of the afore-mentioned patent applications; and Assignors do hereby request the Commissioner of Patents to issue any and all Patents of the United States resulting from said application, or from a division, continuation, continuation-in-part, or reissue thereof, to **MAX-PLANCK** as Assignee, for its interest and for the sole use and behoof of **MAX-PLANCK** and its assigns and legal representatives;

For the same consideration, Assignors, by these presents do sell, assign and transfer to **MAX-PLANCK** the full, exclusive and entire right, title and interest: in and to any and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates and designs, (the "Foreign Applications") filed or which are hereafter filed in countries foreign to the United States and describing in whole or in part the said inventions and improvements, in and to any Patents and similar protective rights granted on said Foreign Applications, and in and to the right to file such applications and the right to claim any applicable priority rights arising from or required for said Foreign Applications under the terms of any applicable conventions, treaties, statutes, or regulations; said Foreign Applications to be filed and issued in the name of **MAX-PLANCK** or its respective designees, insofar as permitted by applicable law;


AND, for the same consideration, Assignors agree to communicate to the said **MAX-PLANCK**, its successors, legal representatives and assigns, any facts known to Assignors respecting said invention, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid **MAX-PLANCK**, its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

Elmar WEINHOLD


ACCEPTED AND ACKNOWLEDGED

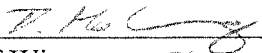
BY ASSIGNEE:

MAX-PLANCK-GESELLSCHAFT ZUR FÖRDERUNG DER WISSENSCHAFTEN E.V.

By: 
Name: Elmar Weinhold
Title: Prof. Dr.
Date: October 20, 2008

Attestation for Elmar WEINHOLD

Witness:  Date: October 20, 2008
Printed Name of Witness Matthias Bahr

Witness:  Date: October 20, 2008
Printed Name of Witness Thomas Hachens

Before me, an officer authorized to administer oaths, on this _____ day of _____, 20____, personally appeared **Elmar WEINHOLD**, known to me to be the same person whose name is subscribed to the foregoing Patent and Invention Assignment, who being duly sworn acknowledged that he signed, sealed and delivered the said Patent and Invention Assignment as his free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and any Official Seal.

Officer Authorized to Administer Oaths
(Seal)

Thomas MEIER 10/28/2008
Thomas MEIER

ACCEPTED AND ACKNOWLEDGED

BY ASSIGNEE:

MAX-PLANCK-GESELLSCHAFT ZUR FÖRDERUNG DER WISSENSCHAFTEN E.V.

By: _____
Name: _____
Title: _____
Date: _____

Attestation for Thomas MEIER

Witness: D. Behling Date: 10/28/2008
Printed Name of Witness Daniela Behling

Witness: Signd Stork Date: 10/28/2008
Printed Name of Witness Signd STORK

Before me, an officer authorized to administer oaths, on this _____ day of _____, 20____, personally appeared **Thomas MEIER**, known to me to be the same person whose name is subscribed to the foregoing Patent and Invention Assignment, who being duly sworn acknowledged that he signed, sealed and delivered the said Patent and Invention Assignment as his free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and any Official Seal.

Officer Authorized to Administer Oaths
(Seal)

Hartmut Duefel 10/28/2008
Hartmut DUEFEL

ACCEPTED AND ACKNOWLEDGED

BY ASSIGNEE:

MAX-PLANCK-GESELLSCHAFT ZUR FÖRDERUNG DER WISSENSCHAFTEN E.V.

By: _____
Name: _____
Title: _____
Date: _____

Attestation for Duefel HARTMUT

Witness: H. Schmidt Date: 10/28/2008
Printed Name of Witness HEIKE SCHMIDT

Witness: A. Engel Date: 10/28/2008
Printed Name of Witness ALFRED D. ENGEL

Before me, an officer authorized to administer oaths, on this _____ day of _____, 20____, personally appeared **Hartmut DUEFEL**, known to me to be the same person whose name is subscribed to the foregoing Patent and Invention Assignment, who being duly sworn acknowledged that he signed, sealed and delivered the said Patent and Invention Assignment as his free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and any Official Seal.

Officer Authorized to Administer Oaths
(Seal)

Christine Markert Hahn 11/03/08
Christine MARKERT-HAHN

ACCEPTED AND ACKNOWLEDGED

BY ASSIGNEE:

MAX-PLANCK-GESELLSCHAFT ZUR FÖRDERUNG DER WISSENSCHAFTEN E.V.

By: _____
Name: _____
Title: _____
Date: _____

Attestation for Christine MARKERT-HAHN

Witness: [Signature] Date: 11/03/08
Printed Name of Witness FRANK BARTELS

Witness: [Signature] Date: 11/03/08
Printed Name of Witness Ines Meß

Before me, an officer authorized to administer oaths, on this _____ day of _____, 20____, personally appeared **Christine MARKERT-HAHN**, known to me to be the same person whose name is subscribed to the foregoing Patent and Invention Assignment, who being duly sworn acknowledged that he signed, sealed and delivered the said Patent and Invention Assignment as his free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and any Official Seal.

Officer Authorized to Administer Oaths
(Seal)

Rainer Schmuck 10/28/2008
~~Christine~~ Rainer SCHMUCK

ACCEPTED AND ACKNOWLEDGED

BY ASSIGNEE:

MAX-PLANCK-GESELLSCHAFT ZUR FÖRDERUNG DER WISSENSCHAFTEN E.V.

By: _____
Name: _____
Title: _____
Date: _____

Attestation for Rainer SCHMUCK

Witness: [Signature] Date: 10/28/2008
Printed Name of Witness Heiko Müller

Witness: [Signature] Date: 10/28/2008
Printed Name of Witness Sabine Habersetter

Before me, an officer authorized to administer oaths, on this _____ day of _____, 20____, personally appeared **Rainer SCHMUCK**, known to me to be the same person whose name is subscribed to the foregoing Patent and Invention Assignment, who being duly sworn acknowledged that he signed, sealed and delivered the said Patent and Invention Assignment as his free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and any Official Seal.

Officer Authorized to Administer Oaths
(Seal)