**PATENT ASSIGNMENT**

Electronic Version v1.1  
Stylesheet Version v1.1

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<th>SUBMISSION TYPE:</th>
<th>NEW ASSIGNMENT</th>
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<td>NATURE OF CONVEYANCE:</td>
<td>ASSIGNMENT</td>
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**CONVEYING PARTY DATA**

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
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<tr>
<td>Brian Steer</td>
<td>10/17/2006</td>
</tr>
<tr>
<td>Walter Callen</td>
<td>10/24/2006</td>
</tr>
<tr>
<td>Shaun Healey</td>
<td>10/17/2006</td>
</tr>
</tbody>
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**RECEIVING PARTY DATA**

<table>
<thead>
<tr>
<th>Name:</th>
<th>Diversa Corporation</th>
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<tbody>
<tr>
<td>Street Address:</td>
<td>4955 Directors Place</td>
</tr>
<tr>
<td>City:</td>
<td>San Diego</td>
</tr>
<tr>
<td>State/Country:</td>
<td>CALIFORNIA</td>
</tr>
<tr>
<td>Postal Code:</td>
<td>92121</td>
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**PROPERTY NUMBERS Total: 1**

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<tr>
<td>Application Number</td>
<td>10560957</td>
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**CORRESPONDENCE DATA**

Fax Number: (858)526-5950  
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 8585265450  
Email: llinkowski@diversa.com  
Correspondent Name: Lynn Linkowski  
Address Line 1: 4955 Directors Place  
Address Line 4: San Diego, CALIFORNIA 92121

**ATTORNEY DOCKET NUMBER:** D1150-7N

**NAME OF SUBMITTER:** Lynn M. Linkowski

Total Attachments: 5
source=D1150-7WO NTL assignment Steer Callen Healey#page1.tif  
source=D1150-7WO NTL assignment Steer Callen Healey#page2.tif
ASSIGNMENT

THIS ASSIGNMENT, by

Brian Steer, 1136 Missouri Street, San Diego, California 92109, USA

Walter Callen, 3469 Stetson Ave, San Diego, California 92122, USA and

Shaun Healey, 3380 Harding St. #7A, Carlsbad, California 92008, USA

(several individual persons, hereinafter referred to as the “Assignors”), witnesseth:

WHEREAS, said Assignors have invented certain new and useful inventions and/or improvements (hereinafter referred to as the “Inventions”) set forth in and the subject of an international patent application under the Patent Cooperation Treaty (PCT), which includes a designation of the United States of America, entitled

GLUCANASES, NUCLEIC ACIDS ENCODING THEM AND METHODS FOR MAKING AND USING THEM

filed in a competent PCT receiving office on July 2, 2004,

identified by attorney docket number D1150-7WO (56446-20095.40),

bearing Serial No. PCT/US2004/021492,

and later published as international publication WO 2005/003319 on January 13, 2005;

WHEREAS,

Diversa Corporation, a corporation duly organized under and pursuant to the laws of the state of Delaware, and having a mailing address and its principal place of business at 4955 Directors Place, San Diego, California 92121-1609,

is desirous of acquiring the entire right, title and interest throughout the world in and to

said Inventions;

said international patent application claiming priority to United States provisional patent application serial no. 60/484,725, filed July 2, 2003;

any national or regional phase patent applications from said patent application (including applications under the European Patent Convention and national patent applications in
the United States of America (including any nonprovisional applications converted to provisional applications, divisionals, continuations, and continuations-in-part of said applications), or any other patent applications claiming the benefit of priority of said application), and specifically including applications filed in the following countries or regions:

<table>
<thead>
<tr>
<th>Country</th>
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<td>(D1150-7AU)</td>
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<td>(D1150-7BR)</td>
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<td>(D1150-7JP)</td>
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<td>1-2006-00143</td>
<td>(D1150-7VN)</td>
</tr>
</tbody>
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any Letters Patent issued or granted from said patent applications by any national, regional or international patent-granting authority, including the United States Patent and Trademark Office, (including any reexamination and reissue applications of said Letters Patent, and any continuations or divisionals of said reexamination or reissue applications); and

all related rights arising from said inventions, patent applications or Letters Patent under the Paris Convention for the Protection of Industrial Property, as currently revised and amended (including utility model and design protection);

NOW, THEREFORE, in consideration of good, valuable and sufficient consideration, the receipt of which is hereby acknowledged,

said Assignors have and by these presents do sell, assign, transfer and set over unto Diversa Corporation, its successors, legal representatives and assigns (hereinafter collectively referred to as the "Assignee"), the entire and exclusive right, title and interest throughout the world in and to said Inventions, said patent applications, any said Letters Patent, and said related rights to be vested, held, enjoyed by and for the use of said Assignee, to the full end of the terms for which each of said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by said Assignors, had this Assignment not been made;

AND for the same consideration, said Assignors hereby covenant and agree to and with said Assignee that, at the time of execution and delivery to said Assignee of these presents, said Assignors are the sole and lawful owners of the entire right, title and interest throughout the world in and to said Inventions, said patent applications, any said Letters
Patent; and that the same are unencumbered and that said Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, said Assignors hereby covenant and agree to and with said Assignee, that whenever counsel of said Assignee shall advise that any proceeding in connection with said Inventions, patent applications, Letters Patent and related rights (including interference proceedings) is lawful and desirable;

to effectuate fully this Assignment, said Assignors shall sign all papers and documents, take all lawful oaths and do all acts necessary or required for the procurement, maintenance, enforcement or defense of said Letters Patent (including further applications, assignments and preliminary statements) and to fully and properly vest the rights in said Letters Patent, without charge by said Assignors to said Assignee, but at reasonable cost and expense to said Assignee.

Each Assignor hereby authorizes the Assignee to apply in all countries and patent-granting authorities in each Assignor’s name or in the name of the Assignee for said patent applications and said related rights.

The Assignors hereby request and authorize the Assignee or the Assignee’s authorized representatives in the United States or abroad to complete hereafter this Assignment by inserting, as needed, the serial numbers, filing dates, patent numbers, or grant dates for the applications or patents identified above, and to correct any clerical errors that may be necessary or desirable to record this Assignment.

The Assignors hereby request the Commissioner of Patents and/or the Director of the U.S. Patent and Trademark Office to issue said Letters Patent of the United States of America to said Assignee for the sole use of said Assignee.

This Assignment executed and dated by the Assignors as follows:

[Signature]

Brian Steer

10/17/06

date signed

[Signature]

Walter Callen

date signed
Patent; and that the same are unencumbered and that said Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, said Assignors hereby covenant and agree to and with said Assignee, that whenever counsel of said Assignee shall advise that any proceeding in connection with said Inventions, patent applications, Letters Patent and related rights (including interference proceedings) is lawful and desirable;

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