**PATENT ASSIGNMENT**

Electronic Version v1.1
Stylesheet Version v1.1

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<tr>
<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>
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<tr>
<th>Name</th>
<th>Execution Date</th>
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<tbody>
<tr>
<td>Mikhail Yurievich Kiryukhin</td>
<td>02/01/2010</td>
</tr>
<tr>
<td>Yulia Georgievna Rostova</td>
<td>02/01/2010</td>
</tr>
<tr>
<td>Elvira Borisovna Voroshilova</td>
<td>02/01/2010</td>
</tr>
<tr>
<td>Mikhail Markovich Gusyatiner</td>
<td>02/01/2010</td>
</tr>
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**RECEIVING PARTY DATA**

<table>
<thead>
<tr>
<th>Name</th>
<th>Ajinomoto Co., Inc.</th>
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<tbody>
<tr>
<td>Street Address:</td>
<td>15-1, Kyobashi 1-chome</td>
</tr>
<tr>
<td>City:</td>
<td>Chuo-ku, Tokyo</td>
</tr>
<tr>
<td>State/Country:</td>
<td>JAPAN</td>
</tr>
<tr>
<td>Postal Code:</td>
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**PROPERTY NUMBERS Total: 1**

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<tr>
<td>Application Number</td>
<td>12629385</td>
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**CORRESPONDENCE DATA**

Fax Number: (703)652-5101

*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

Phone: 703-778-6608

Email: cgoode@ckvnlaw.com

Correspondent Name: Shelly Guest Cermak

Address Line 1: 515-B East Braddock Road

Address Line 4: Alexandria, VIRGINIA 22314

**ATTORNEY DOCKET NUMBER:** US-419

**NAME OF SUBMITTER:** Shelly Guest Cermak

Total Attachments: 2

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501097511

**PATENT**
**REEL: 023962 FRAME: 0943**
ASSIGNMENT

In consideration of the sum of One Dollar ($1.00) or equivalent and other good and valuable consideration paid to each of the undersigned,

Mikhail Yurievich KIRYUKHIN, Yulia Georgievna ROSTOVA, Elvira Borisovna VOROSHILOVA and
Mikhail Markovich GUSYATINER, the undersigned, hereby sell(s) and assign(s) to Ajinomoto Co., Inc. of 15-1, Kyobashi 1-chome, Chuo-ku, Tokyo 104-8315 Japan
(the Assignee) his/her entire right, title and interest

☐ check applicable box(es) ☒ for the United States of America (as defined in 35 U.S.C. § 100),

and throughout the world

in the invention(s) known as A METHOD FOR PRODUCING L-ARGININE USING A BACTERIUM OF ENTEROBACTERIACEAE FAMILY, HAVING ATTENUATED EXPRESSION OF A GENE ENCODING AN L-ARGININE TRANSPORTER, for which application(s) for patent in the United States of America has (have) been executed by the undersigned on (also known as United States Application No. 12/629,385, filed on December 2, 2009), in any and all applications thereon in any and all Letters Patent(s) therefor, and in any and all non-provisional applications, reissues, extensions, renewals, reexaminations, divisions, and continuations of such applications or Letters Patent(s) to the full end of the term or terms for which such Letters patent(s) issue, such entire right, title, and interest to be held and enjoyed by the above-named Assignee the same as they would have been held and enjoyed by the undersigned had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) and any continuing, divisional, reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning the application(s) or any continuation, division, reissue or reexamination thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned hereby covenant(s) that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict therewith.

The undersigned hereby grant(s) Shelly Guest Cermak, registration No. 39,571 of Cermak & Kenealy LLP, 515 East Braddock Road, Suite B, Alexandria, VA 22314, PTO Customer Number 000038108, power to insert on this assignment
any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date: 01.02.2010  Signature of Inventor: 
Mikhail Yuriyevich KIRYUKHIN

Date: 01.02.2010  Signature of Inventor: 
Yulia Georgievna ROSTOVA

Date: 01.02.2010  Signature of Inventor: 
Elvira Borisovna VOROSHILOVA

Date: 01.02.2010  Signature of Inventor: 
Mikhail Markovich GUSYATINER