

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Shenghao LIU</td> <td>07/03/2009</td> </tr> <tr> <td>Keiji ENDO</td> <td>06/30/2009</td> </tr> <tr> <td>Katsutoshi ARA</td> <td>07/03/2009</td> </tr> </tbody> </table>		Name	Execution Date	Shenghao LIU	07/03/2009	Keiji ENDO	06/30/2009	Katsutoshi ARA	07/03/2009				
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Kao Corporation</td> </tr> <tr> <td>Street Address:</td> <td>14-10, Nihonbashi Kayabacho</td> </tr> <tr> <td>Internal Address:</td> <td>1-chome, Chuo-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>103-8210</td> </tr> </table>		Name:	Kao Corporation	Street Address:	14-10, Nihonbashi Kayabacho	Internal Address:	1-chome, Chuo-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	103-8210
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CORRESPONDENCE DATA													
<p>Fax Number: (202)371-2540</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2023712600</p> <p>Email: tmuller@skgf.com</p> <p>Correspondent Name: Tracy L. Muller</p> <p>Address Line 1: 1100 New York Avenue, N.W.</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20005</p>													
ATTORNEY DOCKET NUMBER:	2537.0240000												
NAME OF SUBMITTER:	Tracy L. Muller, Reg. No. 55,472												
<p>Total Attachments: 2</p> <p>source=25370240000Assignment#page1.tif</p>													

OP \$40.00 12530135

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PATENT
REEL: 023253 FRAME: 0806

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 inventors: _____

(1) Shenghao LIU (2) Keiji ENDO (3) Katsutoshi ARA

_____, hereby sell and assign to
KAO CORPORATION _____, a corporation formed under the laws of Japan
whose mailing address is 14-10, Nihonbashi Kayabacho 1-chome, Chuo-ku, Tokyo, 103-8210 Japan
(hereafter referred to as the Assignee), his/her entire right, title and interest, including the
right to sue for past infringement and to collect for all past, present and future damages, for
the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as RECOMBINANT MICROORGANISM
for which application(s) for patent in the United States of America has a filing
date or a 371(c) date of _____ (also known as United States
Application No. 12/530,135, which is the U.S. national phase of
International Application No. PCT/JP2008/057229, International Filing
Date April 8, 2008), in any and all applications thereon, in any and all
Letters Patent(s) therefor, and

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Reg No. 55,472
09.18.09

(b) in any and all applications that claim the benefit of the patent application
listed above in part (a), including non-provisional applications, continuing
(continuation, divisional, or continuation-in-part) applications, reissues,
extensions, renewals and reexaminations of the patent application or Letters
Patent therefor listed above in part (a), to the full extent of the term or terms
for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in
part (a), and in any and all forms of intellectual and industrial property
protection derivable from such patent application, and that are derivable from
any and all continuing applications, reissues, extensions, renewals and
reexaminations of such patent application, including, without limitation,
patents, applications, utility models, inventor's certificates, and designs
together with the right to file applications therefor; and including the right to
claim the same priority rights from any previously filed applications under the
International Agreement for the Protection of Industrial Property, or any other
international agreement, or the domestic laws of the country in which any such
application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its
successors, legal representatives and assigns to the same extent as all such rights, title and
interest would have been held and enjoyed by the Assignor had this assignment and sale not
been made.

The undersigned inventors agree to execute all papers necessary in connection with
the application(s) and any non-provisional, continuing (continuation, divisional, or
continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also

to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any - agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 26111** the power to insert in this assignment any further identification that 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 inventors on the date opposite his/her name.

Date: July 3rd, 2009 Signature of Inventor: Shenghao Liu

Shenghao LIU

Date: June 30th 2009 Signature of Inventor: Keiji ENDO

Keiji ENDO

Date: July 3rd, 2009 Signature of Inventor: Katsutoshi ARA

Katsutoshi ARA

Date: _____ Signature of Inventor: _____

Date: _____ Signature of Inventor: _____

Date: _____ Signature of Inventor: _____

Date: _____ Signature of Inventor: _____

Date: _____ Signature of Inventor: _____

SIGNED on behalf of the said ASSIGNEE,

By: Akihiro Kondo

Name: Akihiro KONDO

Title: Corporate Associate Officer, Vice President Global Intellectual Property

Date: July 8, 2009