

07-29-2004



Docket No.: MTSU-1001

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To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Takeo MIZUTANI, Kenji KOGE, Yukie NAGAI, Hiroshi MURAKAMI, Toshikazu KAWAI, Jun KASHIMURA and Takeo SHIMIZU

2. Name and address of receiving party(ies):

Name: Mitsui Sugar Company, Ltd.

Address: 8-2, Nihonbashi Honcho 2-chome,

Additional names(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

City: Chuo-ku State/Prov.: Tokyo

Country: Japan ZIP:

Execution Date: 12/8/2003, 12/9/2003 and 12/11/2003

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

Patent Application No. Filing date  
09/806,925 June 20, 2001

B. Patent No.(s)

2004 JUL 27 AM 7:03  
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Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Ken I. Yoshida

Registration No. 37,009

Address: KNOBLE YOSHIDA & DUNLEAVY, LLC

Eight Penn Center, Suite 1350

1628 John F. Kennedy Blvd.

City: Philadelphia State/Prov.: PA

Country: USA ZIP: 19103

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

- ☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account  
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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Ken I. Yoshida

Name of Person Signing

Signature

July 21, 2004

Date

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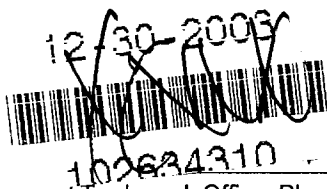
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To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): 12-23-03  
**Takeo MIZUTANI, Kenji KOGE, Yukie NAGAI,**  
**Hiroshi MURAKAMI, Toshikazu KAWAI, Jun**  
**KASHIMURA and Takeo SHIMZU**

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: 12/8/2003, 12/9/2003 and 12/11/2002

2. Name and address of receiving party(ies):

Name: Mitsui Sugar Company, Ltd.

Address: 8-2, Nihonbashi Honcho 2-chome, Chuo-ku

City: Tokyo State/Prov.: \_\_\_\_\_

Country: Japan ZIP: \_\_\_\_\_

Additional name(s) & address(es) ☐ Yes ☒ No

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

Patent Application No. 09/806,925 Filing date June 20, 2001

B. Patent No.(s)

Additional numbers

☐ Yes ☒ No

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5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Kevin J. Dunleavy

Registration No. 32,024

Address: KNOBLE & YOSHIDA, LLC

Eight Penn Center, Suite 1350

1628 John F. Kennedy Blvd.

City: Philadelphia State/Prov.: PA

Country: USA ZIP: 19103

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

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8. Deposit account number:

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Kevin J. Dunleavy

Name of Person Signing

Signature

December 18, 2003

Date

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PATENT

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## ASSIGNMENT

WHEREAS, We, Takeo MIZUTANI, Kenji KOGE, Yukie NAGAI, Hiroshi MURAKAMI, Toshikazu KAWAI, Jun KASHIMURA and Takeo SHIMIZU, all residing in Japan, hereinafter referred to as the Assignors are the inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as **Attorney Docket No. MTSU-1001US** entitled **PREVENTATITIVES OR REMEDIES FOR INFECTION, ANTI-ENDOTOXIN AGENTS, VACCINE ADJUVANTS AND GROWTH PROMOTERS** having been filed on April 6, 2001 and assigned U.S. Patent Application No. 09/806,925.

WHEREAS, Mitsui Sugar Company Ltd of 8-2, Nihonbashi Honcho 2-Chome, Chuo-ku, Tokyo, Japan is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, EFFECTIVE as of October 21, 1998 for and in consideration of the sum of One Dollar (\$1.00) to each of us in hand paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, We, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said application including the right to claim priority to the application in any foreign application entitled to claim such priority under national law, international conventions, treaties or otherwise, and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our name applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

AND We hereby covenant that We have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives, and we agree to communicate to said assignee or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request the Director – U.S. Patent and Trademark Office and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

Dated: <u>Dec. 9, 2003</u>	<u>Takeo Mizutani</u> Takeo MIZUTANI	(L. S.)
Dated: <u>Dec. 8, 2003</u>	<u>Kenji Koge</u> Kenji KOGE	(L. S.)
Dated: <u>Dec. 8, 2003</u>	<u>Yukie Nagai</u> Yukie NAGAI	(L. S.)
Dated: <u>Dec. 11, 2003</u>	<u>Hiroshi Murakami</u> Hiroshi MURAKAMI	(L. S.)

Dated: Dec. 8, 2003

Toshikazu Kawai (L. S.)  
Toshikazu KAWAI

Dated: Dec. 8, 2003

Jun Kashimura (L. S.)  
Jun KASHIMURA

Dated: Dec. 8, 2003

Takeo Shimizu (L. S.)  
Takeo SHIMIZU