

FORM PTO-1595 (modified)

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(Rev. 6-93)

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| <p>1. Name of conveying party(ies):</p> <p style="text-align: center;">National Institute of Advanced Industrial Science and Technology</p> <p>Additional conveying party(ies) attached? NO</p> | <p>2. Name and address of receiving party(ies):</p> <p>Naoki MITA 3-1 Kasumigaseki 1-chome Chiyoda-ku, Tokyo 100-8921 JAPAN</p> <p>Yoshishige KATO 3-1 Kasumigaseki 1-chome Chiyoda-ku, Tokyo 100-8921 JAPAN</p> <p>Yutaka KANAI 3-1 Kasumigaseki 1-chome Chiyoda-ku, Tokyo 100-8921 JAPAN</p> <p>National Institute of Advanced Industrial Science and Technology 3-1 Kasumigaseki 1-chome Chiyoda-ku, Tokyo 100-8921 JAPAN</p> <p>Additional name(s) & address(es) attached? NO</p> | | |
| <p>3. Nature of conveyance:</p> <p style="text-align: center;">ASSIGNMENT</p> <p>Execution Date:</p> <p style="text-align: center;">October 06, 2006</p> | <p>4. Application number(s) or patent number(s):</p> <p>If this is being filed together with a new application, the execution date of the application is:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> <p>A. Patent Application Number:</p> <p style="text-align: center;">09/470,147</p> </td> <td style="width: 50%; border: none;"> <p>B. Patent Number:</p> <p style="text-align: center;">6,350,605</p> </td> </tr> </table> <p style="text-align: center;">Additional numbers attached? NO</p> | <p>A. Patent Application Number:</p> <p style="text-align: center;">09/470,147</p> | <p>B. Patent Number:</p> <p style="text-align: center;">6,350,605</p> |
| <p>A. Patent Application Number:</p> <p style="text-align: center;">09/470,147</p> | <p>B. Patent Number:</p> <p style="text-align: center;">6,350,605</p> | | |
| <p>5. Name and address of party to whom correspondence concerning document should be faxed to:</p> <p>Stephen A. Bent FOLEY & LARDNER Washington Harbour 3000 K Street, N.W., Suite 500 Washington, D.C. 20007-5109 Fax No.: 202-672-5399</p> | <p>6. Total number of applications/patents involved: 1</p> <p>7. Total fee (37 C.F.R. § 3.41): \$40.00</p> <p><input checked="" type="checkbox"/> Credit card authorization form</p> <p><input type="checkbox"/> Charge to deposit account</p> <p>8. Deposit account number: 19-0741</p> | | |

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Stephen A. Bent



October 18, 2006

Name of person signing

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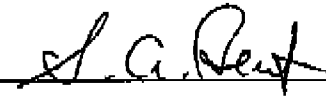
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| Additional conveying party(ies) attached? NO | | | |
| 3. Nature of conveyance: ASSIGNMENT Execution Date: October 06, 2006 | | Additional name(s) & address(es) attached? NO | |
| 4. Application number(s) or patent number(s): If this is being filed together with a new application, the execution date of the application is: | | | |
| A. Patent Application Number: 09/470,147 | | B. Patent Number: 6,350,605 | |
| Additional numbers attached? NO | | | |
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Patent No. 6,350,605

Docket No. 081356/0161

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned assignor:

**NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL
SCIENCE AND TECHNOLOGY**

by virtue of the assignment duly recorded at Reel 013552 and Frame 0427 on December 6, 2002, is the assignor of the invention rights in the United States of America and its territories and possessions to the below listed U.S. patent application, by these presents hereby sells and assigns, unto as follows:

1. NAOKI MITA (inventor), 18% interest;
2. YOSHISHIGE KATO (inventor), 14% interest;
3. YUTAKA KANAI (inventor), 3% interest; and
4. NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL
SCIENCE AND TECHNOLOGY, 65% interest.

having an addresses at:

1. 1-3, Higashi 1-chome, Tsukuba, Ibaraki 305-8563, JAPAN
2. Onogawa 16-3, Tsukuba, Ibaraki 305-8569, JAPAN
3. 1-3, Higashi 1-chome, Tsukuba, Ibaraki 305-8563, JAPAN
4. 3-1, Kasumigasaki 1-chome Chiyoda-ku, Tokyo 100-8921 JAPAN

(hereinafter ASSIGNEES) entire right, title and interest for the United States of America, its territories and possessions,

in and to the invention(s) relating thereto, identified as follows:

| <u>PATENT NO.</u> | <u>ISSUED DATE</u> | <u>TITLE</u> |
|-------------------|--------------------|---|
| 6,350,605 | February 26, 2002 | NOVEL MICROORGANISMS, MICROBIAL SYMBIONTS, THEIR CULTURE METHODS, AND METHODS FOR TREATING MANGANESE- CONTAINING WATER USING THEM |

in and to said United States Patent Application, and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any reissue and extensions of Letters Patent granted for said invention; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to transfer any and all such Letters Patents to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant,

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Date: October 12, 2006

By: Shigaru Iino
 Name: Shigaru IINO
 Title: (**see below)
 On behalf of the NATIONAL INSTITUTE
 OF ADVANCED INDUSTRIAL SCIENCE
 AND TECHNOLOGY
 **Title: Director of
 Intellectual Property
 Department

Date: October 12, 2006

WITNESS: Satoshi Kubota
 Satoshi KUBOTA

Date: October 12, 2006

WITNESS: Miyuki Nakamaru
 Miyuki NAKAMARU

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To: Marcus Kirk**UNITED STATES PATENT AND TRADEMARK OFFICE**UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
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OCTOBER 25, 2006

PTAS

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