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TO THE ASSISTANT COMMISSIONER FOR PATENTS: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

- | | |
|---------------------|--------------------|
| 1. Yuji Matsuzaki | 5. Yusuke Hori |
| 2. Yousuke Yasuda | 6. Akira Tawada |
| 3. Satoshi Miyauchi | 7. Hideo Mochizuki |
| 4. Junichi Onaya | 8. Masami Iida |

Additional name(s) of conveying party(ies) attached?
() Yes (X) No

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

Name: Seikagaku Corporation
Address: 1-5, Nihonbashi-Honcho 2-chome, Chuo-ku,
Tokyo, JapanAdditional name(s) of receiving party(ies) attached?
() Yes (X) No

3. Nature of conveyance:

- (X) Assignment
() Merger
() Security Agreement
() Change of Name
() Other:

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above)

- | | |
|----------------------|----------------------|
| 1. December 21, 1999 | 5. December 21, 1999 |
| 2. December 21, 1999 | 6. December 21, 1999 |
| 3. December 21, 1999 | 7. December 21, 1999 |
| 4. December 21, 1999 | 8. December 21, 1999 |

4. Application number(s) or Patent number(s):

(X) Application(s) filed herewith
Execution Date(s): All dated December 21, 1999() Patent Application No.:
Filing Date:() Patent No.:
Issue Date:

09478025

Additional numbers attached? () Yes (X) No

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

Name: Daniel E. Altman
KNOBBE, MARTENS, OLSON & BEAR, LLP
Customer No. 20,995
Internal Address: Sixteenth Floor
Street Address: 620 Newport Center Drive
City: Newport Beach State: CA ZIP: 92660
Attorney's Docket No.: TOYAM58.001AUS

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

(X) Enclosed
() Authorized to be charged to deposit account

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

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.

Daniel E. Altman
Name of Person Signing

Signature

January 5, 2000
Date34,115
Registration No.

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:

02/04/2000 TTOM11 00000144 09478025

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Assistant Commissioner for Patents
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010400PATENT
REEL: 010521 FRAME: 0403jc580 U.S. PTO
09/478025
01/05/00

ASSIGNMENT

WHEREAS, I/WE (1) Yuji MATSUZAKI
a Japanese citizen, residing at 3-1-39, Koyata, Iruma-shi, Saitama, Japan

(2) Yousuke YASUDA
a Japanese citizen, residing at 1-2615-47, Wakasa, Tokorozawa-shi, Saitama, Japan

(3) Satoshi MIYAUCHI
a Japanese citizen, residing at 1-122-14, Chuo-, Musashimurayama-shi, Tokyo, Japan

(4) Junichi ONAYA
a Japanese citizen, residing at 2-6-32, Kumegawa-cho, Higashimurayama-shi, Tokyo, Japan

(5) Yusuke HORI
a Japanese citizen, residing at 2-24-8, Momoi, Suginami-ku, Tokyo, Japan

(6) Akira TAWADA
a Japanese citizen, residing at 536-29, Kitairiso, Sayama-shi, Saitama, Japan

(7) Hideo MOCHIZUKI
a Japanese citizen, residing at 289-6-A202, Nakamachi, Kodaira-shi, Tokyo, Japan

(8) Masami IIDA
a Japanese citizen, residing at 5-15-15, Hiyoshi, Kohoku-ku, Yokohama-shi, Kanagawa, Japan

hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in METHOD FOR PRODUCING OLIGOSACCHARIDE, AND NOVEL OLIGOSACCHARIDE AND PHARMACEUTICAL COMPOSITION CONTAINING THE SAME, the specification of which:

- (a) ☒ was executed on even date herewith;
- (b) ☐ was filed on _____
as ☐ Application No. 0 / _____
or ☐ Express Mail No., as Application No. not yet known _____
and was amended on _____ (if applicable);
or
- (c) ☐ was described and claimed in PCT International Application No. _____
_____ filed on _____ and as amended
under PCT Article 19 on _____ (if any) and/or under PCT Article 34
on _____ (if any).

AND WHEREAS, Seikagaku Corporation
with its principal place of business at 1-5, Nihonbashi-Honcho 2-chome, Chuo-ku, Tokyo, Japan
_____, (hereinafter referred to as Assignee)
desires to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything

possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 21 day of December, 1999

Yuzi Matsuzaki
Signature of YUJI MATSUZAKI

This 21 day of December, 1999

Yousuke Yasuda
Signature of Yousuke YASUDA

This 21 day of December, 1999

Satoshi Miyauchi
Signature of Satoshi MIYAUCHI

This 21 day of December, 1999

Junichi Onaya
Signature of Junichi ONAYA

This 21 day of December, 1999

Yusuke Hori
Signature of Yusuke HORI

This 21 day of December, 1999

Akira Tawada
Signature of Akira TAWADA

This 21 day of December, 1999

Hideo Mochizuki
Signature of Hideo MOCHIZUKI

This 21 day of December, 1999

Masami Iida
Signature of Masami IIDA

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