

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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|-----------------------|----------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| Shigeto Yoshida | 07/23/2008 |
| Yoshio Ohba | 07/23/2008 |
| Norimitsu Hariguchi | 07/23/2008 |
| Masami Mizukoshi | 07/23/2008 |
| Masanori Kawasaki | 07/23/2008 |
| Makoto Matsumoto | 07/23/2008 |
| Yoshihiro Goto | 07/23/2008 |

RECEIVING PARTY DATA

| | |
|-----------------|---|
| Name: | Educational Foundation Jichi Medical University |
| Street Address: | 3311-1, Yakushiji, |
| City: | Shimotsuke-shi, Tochigi, |
| State/Country: | JAPAN |
| Postal Code: | 3290498 |

| | |
|-----------------|---------------------------------|
| Name: | Otsuka Pharmaceutical Co., Ltd. |
| Street Address: | 9, Kanda-Tsukasamachi 2-chome, |
| City: | Chiyoda-ku, Tokyo |
| State/Country: | JAPAN |
| Postal Code: | 1018535 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 12278916 |

CORRESPONDENCE DATA

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OP \$40.00 12278916

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Q109513

NAME OF SUBMITTER:

Amber A. Thompson, Secretary

Total Attachments: 2

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Assignment

Whereas, I/We, 1) Shigeto YOSHIDA, 2) Yoshio OHBA, 3) Norimitsu HARIGUCHI,
4) Masami MIZUKOSHI, 5) Masanori KAWASAKI, 6) Makoto MATSUMOTO, and
7) Yoshihiro GOTO

of 1) Jichi Medical University Kyoshokuin Jutaku E-403, 1-3, Gion 3-chome, Shimotsuke-shi,
Tochigi 3290434, Japan; and 2) - 7) c/o OTSUKA PHARMACEUTICAL CO., LTD., 463-10,
Kagasuno, Kawauchi-cho, Tokushima-shi, Tokushima 7710192, Japan,

hereinafter called assignor(s), have invented certain improvements in
NOVEL VIRAL VECTOR

_____ and executed an application for Letters Patent of the United States of America
therefor on _____; and

Whereas,

1) EDUCATIONAL FOUNDATION JICHI MEDICAL
UNIVERSITY, and 2) OTSUKA PHARMACEUTICAL
CO., LTD.

of 1) 3311-1, Yakushiji, Shimotsuke-shi, Tochigi
3290498, Japan; and 2) 9, Kanda-Tsukasamachi 2-chome,
Chiyoda-ku, Tokyo 1018535, Japan

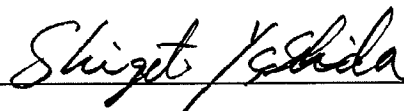
(assignee), desires to acquire the entire right, title, and interest in the application and
invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

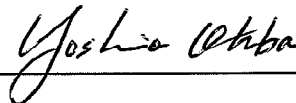
I/We, the above named assignor(s), hereby sell, assign and transfer to the above
named assignee, its successors and assigns, the entire right, title and interest in the application
and the invention disclosed therein for the United States of America, including all divisions,
and continuations thereof, and all Letters Patent of the United States that may be granted
thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119,
and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters
Patent granted upon the invention set forth in the application to the assignee, its successors
and assigns; and I/we will execute without further consideration all papers deemed necessary
by the assignee in connection with the United States application when called upon to do so by
the assignee.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100
Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses
(Application number _____ and Confirmation number
_____, filed _____) the application
number and filing date of said application when known.

Date: July 23, 2008
s/ Shigeto YOSHIDA



Date: July 23, 2008
s/ Yoshio OHBA



Date: July 23, 2008 *N. Hariguchi*
s/ Norimitsu HARIGUCHI

Date: July 23, 2008 *M. Mizukoshi*
s/ Masami MIZUKOSHI

Date: July 23, 2008 *M. Kawasaki*
s/ Masanori KAWASAKI

Date: July 23, 2008 *M. Matsumoto*
s/ Makoto MATSUMOTO

Date: JULY 23, 2008 *Yoshihiro Goto*
s/ Yoshihiro GOTO

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)