

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Takeshi YAMAMOTO</td> <td>08/24/2009</td> </tr> <tr> <td>Yoshimitsu TAKAKURA</td> <td>08/24/2009</td> </tr> <tr> <td>Toshiki MINE</td> <td>08/24/2009</td> </tr> <tr> <td>Yoko HAMADA</td> <td>08/24/2009</td> </tr> <tr> <td>Hitomi KAJIWARA</td> <td>08/24/2009</td> </tr> <tr> <td>Masako ICHIKAWA</td> <td>08/24/2009</td> </tr> <tr> <td>Hiroshi TSUKAMOTO</td> <td>08/24/2009</td> </tr> </tbody> </table>		Name	Execution Date	Takeshi YAMAMOTO	08/24/2009	Yoshimitsu TAKAKURA	08/24/2009	Toshiki MINE	08/24/2009	Yoko HAMADA	08/24/2009	Hitomi KAJIWARA	08/24/2009	Masako ICHIKAWA	08/24/2009	Hiroshi TSUKAMOTO	08/24/2009
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RECEIVING PARTY DATA																	
Name:	JAPAN TOBACCO INC.																
Street Address:	2-1, Toranomom 2-chome, Minato-ku																
City:	Tokyo																
State/Country:	JAPAN																
Postal Code:	105-8422																
PROPERTY NUMBERS Total: 1																	
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12529496</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12529496												
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CORRESPONDENCE DATA																	
Fax Number:	(703)205-8050																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
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Correspondent Name:	BIRCH, STEWART, KOLASCH & BIRCH, LLP																
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ATTORNEY DOCKET NUMBER:	0230-0281PUS1																

CH \$40.00 12529496

NAME OF SUBMITTER:

Gerald M. Murphy, Jr.

Total Attachments: 3

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BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

12/529,496

Application No. _____

Filed 9/1/09

**Insert Name(s)
of Inventor(s)**

WHEREAS, Takeshi YAMAMOTO, Yoshimitsu TAKAKURA,
Toshiki MINE, Yoko HAMADA, Hitomi KAJIWARA,
Masako ICHIKAWA and Hiroshi TSUKAMOTO

**Insert Title
of Invention**

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in
A NOVEL β -GALACTOSIDE- α 2,6-SIALYLTRANSFERASE, A GENE ENCODING THEREOF,
AND A METHOD FOR ENHANCING ENZYME ACTIVITY

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application).

**Insert Date
of Signing of
Application**

on August 24, 2009; and

**Insert Name
of Assignee**

WHEREAS, JAPAN TOBACCO INC.

**Insert Address
of Assignee**

of 2-1, Toranomom 2-chome, Minato-ku, Tokyo 105-8422 Japan

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and in any foreign countries.

**CHECK BOX
IF APPROPRIATE**

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

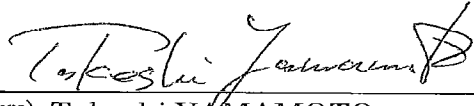
The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

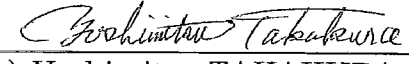
Date August 24, 2009,

Name of Inventor


(signature) Takeshi YAMAMOTO

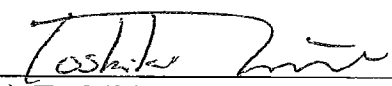
Date August 24, 2009,

Name of Inventor


(signature) Yoshimitsu TAKAKURA

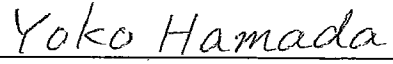
Date August 24, 2009,

Name of Inventor


(signature) Toshiki MINE

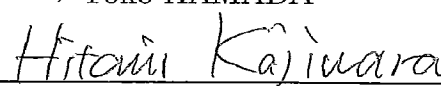
Date August 24, 2009,

Name of Inventor


(signature) Yoko HAMADA

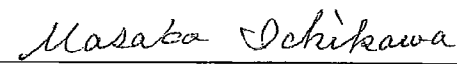
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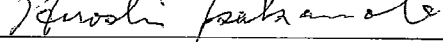

(signature) Hitomi KAJIWARA

Date August 24, 2009,

Name of Inventor


(signature) Masako ICHIKAWA

Date August 24, 2009,

Name of Inventor 
(signature) Hiroshi TSUKAMOTO

Date _____,

Name of Inventor _____
(signature)

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(signature)

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