

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>Masato Suenaga</td><td>05/24/2011</td></tr><tr><td>Takeshi Hayakawa</td><td>05/24/2011</td></tr><tr><td>Takuya Muramoto</td><td>05/25/2011</td></tr></tbody></table>	Name	Execution Date	Masato Suenaga	05/24/2011	Takeshi Hayakawa	05/24/2011	Takuya Muramoto	05/25/2011	
Name	Execution Date								
Masato Suenaga	05/24/2011								
Takeshi Hayakawa	05/24/2011								
Takuya Muramoto	05/25/2011								
RECEIVING PARTY DATA									
Name:	Takeda Pharmaceutical Company Limited								
Street Address:	1-1, Doshomachi 4-chome, Chuo-ku, Osaka-shi								
City:	Osaka								
State/Country:	JAPAN								
Postal Code:	541-0045								
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>13140601</td></tr></tbody></table>	Property Type	Number	Application Number:	13140601					
Property Type	Number								
Application Number:	13140601								
CORRESPONDENCE DATA									
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ATTORNEY DOCKET NUMBER:	2011-0711A								
NAME OF SUBMITTER:	Patricia T. Hill								
Total Attachments: 2 source=ASSIGNMENT#page1.tif source=ASSIGNMENT#page2.tif									

OP \$40.00 13140601

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PATENT
REEL: 026456 FRAME: 0434

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Insert Name(s) Masato SUENAGA, Takeshi HAYAKAWA and Takuya MURAMOTO
of Inventor(s) _____

the undersigned hereby sell(s) and assign(s) to

Insert Name(s) Takeda Pharmaceutical Company Limited
of Assignee(s) of 1-1, Doshomachi 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0045 Japan
Address _____

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

Title of ANTIBODY PURIFICATION METHOD
Invention _____

for which an application for patent in the United States of America has resulted from International Application Serial No. PCT/JP2009/071182 filed on December 18, 2009

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional 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 or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

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

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) 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 firm of WENDEROTH, LIND & PONACK, L.L.P., 1030 15th Street, N.W., Suite 400 East, Washington, D.C. 20005-1503, 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 United States Patent Office for recordation of this document.

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

Date 2011. 5. 24, Name of the Inventor 末永 正人
Masato SUENAGA

Date 2011. 5. 24, Name of the Inventor 早川 武志
Takeshi HAYAKAWA

Date 2011. 5. 25, Name of the Inventor 村本 拓也
Takuya MURAMOTO

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness 長谷川 純子
Sumiko HASEGAWA

Witness 竹中 公亮
Kosuke TAKENAKA

ACKNOWLEDGMENT

_____ } ss

This _____ day of _____, 20____, before me personally came the above-named me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

SEAL

Official Signature

Official Title

The above application may be more particularly identified as follows:

U.S. Application Serial No. _____ Filing Date _____

Applicant Reference Number _____ Atty Docket No. _____

Title of Invention _____