

08-01-2007



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FORM PTO-1595 (modified)

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To the Honorable Assistant Secretary and Commissioner of Patents and Trademarks, Patent and Trademark Office, Washington, D.C. 20503, for filing of original document(s) or copy(ies) thereof.

1. Name of conveying party(ies):  
Kouichi MORITA, Takeshi NABESHIMA, Shinichi MIYAKE, Toshiyuki ONISHI, Isao FUKU, Toyokazu ISHIKAWA, Hideo GODA, Masahide ISHIBASHI, Michiaki TAKAHASHI  
Additional name(s) of conveying party(ies) attached? NO

2. Name and address of receiving party(ies):  
Name: The Research Foundation for Microbial Diseases of Osaka University  
Address: c/o Osaka University, 3-1, Yamadaoka, Suita-shi, Osaka 565-0871, Japan  
Additional name(s) & address(es) attached? NO

3. Nature of conveyance:  
 Assignment                       Merger  
 Security Agreement               Change of Name  
 Other \_\_\_\_\_  
Execution Date: July 11, 2007

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is:  
A. Patent Application No. 11/793,277, filed June 18, 2007  
B. Patent No.(s) \_\_\_\_\_, issued \_\_\_\_\_  
Additional numbers attached? NO

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: WENDEROTH, LIND & PONACK, L.L.P.  
Attn: Warren M. Check, Jr., Esq.  
Street Address: 2033 K Street, N.W., Suite 800  
City: Washington, State: DC ZIP: 20006-1021

6. Total number of applications and patents involved: 1  
7. Total fee (37 CFR 3.41). . . . . \$40.00  
 Enclosed (Check No. 81491)  
Authorized to be charged to deposit account  
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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.  
Warren M. Check, Jr., Reg. No. 33,367                      Warren M. Check, Jr.                      July 27, 2007  
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THE COMMISSIONER IS AUTHORIZED TO CHARGE ANY DEFICIENCY IN THE FEES FOR THIS PAPER TO DEPOSIT ACCOUNT NO 23-0975  
POCKET NO. 2007\_0988A

# ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned  
Kouichi MORITA, Takeshi NABESHIMA, Shinichi MIYAKE, Toshiyuki ONISHI,

Insert Name(s)  
of Inventor(s)

Isao FUKU, Toyokazu ISHIKAWA, Hideo GODA, Masahide ISHIBASHI and  
Michiaki TAKAHASHI

Insert Name(s)  
of Assignee(s)  
Address

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

The Research Foundation for Microbial Diseases of Osaka University

of c/o Osaka University, 3-1, Yamadaoka, Suita-shi, Osaka 565-0871 Japan

(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  
Invention

ATTENUATED CHIMERIC FLAVIVIRUS BEARING ATTENUATED JAPANESE ENCEPHALITIS VIRUS GENE AS BACKBONE

for which an application for patent in the United States of America has resulted from International Application Serial No. PCT/JP2005/024161 filed on December 22, 2005

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.

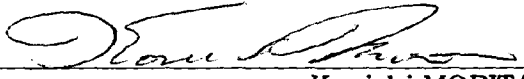
The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

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., 2033 K Street, N.W., Suite 800, Washington, D.C. 20006-1021, 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 July 11, 2007, Name of the Inventor   
Kouichi MORITA

Date July 11, 2007, Name of the Inventor Takeshi Nabeshima  
Takeshi NABESHIMA

Date July 11, 2007, Name of the Inventor Shinichi Miyake  
Shinichi MIYAKE

Date July 11, 2007, Name of the Inventor Toshiyuki Onishi  
Toshiyuki ONISHI

Date July 11, 2007, Name of the Inventor   
Isao FUKE

Date July 11, 2007, Name of the Inventor Toyokazu Ishikawa  
Toyokazu ISHIKAWA

Date July 11, 2007, Name of the Inventor Hideo Goda  
Hideo GODA

Date July 11, 2007, Name of the Inventor Masahide Ishibashi  
Masahide ISHIBASHI

Date July 11, 2007, Name of the Inventor Michiaki Takahashi  
Michiaki TAKAHASHI

(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 Masahiro Ohkubo Masahiro OHKUBO

Witness  Chiemi ONO

**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 \_\_\_\_\_