

03-20-2000



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To the Honorable Commissioner of Patents and Trademarks

all documents or copy thereof.

1. Name of conveying party(ies):

Jimmy KWANG
Te Hung CHANGAdditional name(s) of conveying
party(ies) attached? ☐ Yes ☒ No

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

Name Institute of Molecular Agrobiolgy

Internal Address: _____

Street Address: 1 Research LinkThe National University of Singapore

City _____

State Singapore ZIP 117604Additional name(s) & addresses(es) attached?
☐ Yes ☒ No

3. Name of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____Execution Date: 17 February 2000; 23 February 20004. Application number(s) or patent number(s): **09/448,427 (claiming priority to SG 9903822-6, filed August 10, 1999)**

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

09/448,427

Additional numbers attached? ☐ Yes ☐ No5. Name and address of party to whom correspondence
concerning document should be mailed:Name: ROTHWELL, FIGG, ERNST & KURZ

Internal Address: _____

Street Address: Suite 701-E, 555 Thirteenth Street, N.W.City: WashingtonState: D.C. Zip 200046. Total number of applications
and patents involved: 17. Total fee (37 CFR 3.41): . . . \$ 4-0.00☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

02-2135

03/17/2000 HLE111 00000049 09448427

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(40.00 DP)

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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.*

Mark I. Bowditch

Name of Person Signing

Signature

Date

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

ASSIGNMENT

WHEREAS, WE, Jimmy Kwang, a citizen of the United States, residing at 87 Pasir Panjang Hill, 02-09, Kentview Park, Singapore 118892 and Te Hung Chang, a citizen of Taiwan, residing at No. 56-3, 11 Lim, Chung-San Vil., Long-Tan, Tao-Yuan, Taiwan R.O.C., are the inventors of an invention in AN ATTENUATED PORCINE REPRODUCTION AND RESPIRATORY SYNDROME VIRUS STRAIN AND METHODS OF USE for which we have executed an application for letters patent in Singapore, application No. 9903822-6 pursuant to the laws of the Republic of Singapore, on August 10, 1999; and

WHEREAS, the Institute of Molecular Agrobiolgy with a place of business at 1 Research Link, The National University of Singapore, Singapore 117604 is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we the said Jimmy KWANG and Te Hung CHANG have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said Institute of Molecular Agrobiolgy, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said Singapore application and all Letters Patent which may be granted for said invention in any country or countries and all extensions renewals and reissues thereof and all rights of priority in any such country or countries based upon the filing of the said Singapore application which are created by any law, treaty or international convention; and we hereby authorize and request the Registrar, Registry of Patents of the Republic of Singapore, and any Official of any country or countries foreign to the Republic of Singapore, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said Institute of Molecular Agrobiolgy, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

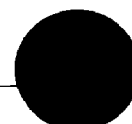
AND WE HEREBY further covenant and agree that we will communicate to said Institute of Molecular Agrobiolgy, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said Institute of Molecular Agrobiolgy, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, we hereunto set our hands and seals the day and year set opposite our respective signatures.

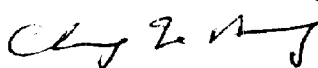
Date 17 FEB 2000 1999



JIMMY KWANG



Date 23 FEB 2000 1999



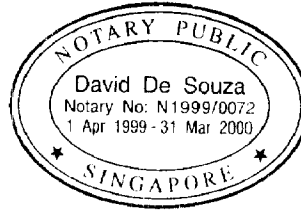
TE HUNG CHANG

L.S.

State of)
) ss:
County of)

This _____ day of 17 FEB 2000, before me personally came the above-named JIMMY KWANG, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

David De Souza

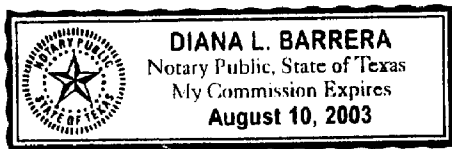


My commission expires:

State of Texas)
) ss:
County of Bexar)

This 23rd day of February, 2000, before me personally came the above-named TE HUNG CHANG, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Diana L Barrera



My commission expires: 8/10/03