



08-24-2005



103068163 PATENTS ONLY

Form PTO-1595 (Rev. 10/02)

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RECOR

S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
 NORDGREN, Robert
 LOOSMORE, Sheena May
 AUDONNET, Jean-Christophe Francis
 GRUBMAN, Marvin J.
 Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
 Name: Merial Limited
 Internal Address: _____

 Street Address: 3239 Satellite Blvd.

 City: Duluth State: GA Zip: 30096
 Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
 Execution Date: 08/31/2004

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: 04/20/2005
 A. Patent Application No.(s) 11/110,480
 B. Patent No.(s) _____
 Additional numbers attached? Yes No

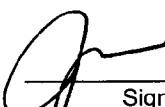
5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: Dr. Judy Jarecki-Black
 Internal Address: Merial Limited

 Street Address: 3239 Satellite Blvd.

 City: Duluth State: GA Zip: 30096

6. Total number of applications and patents involved:
 7. Total fee (37 CFR 3.41).....\$ _____
 Enclosed
 Authorized to be charged to deposit account
 8. Deposit account number:
502354

DO NOT USE THIS SPACE

9. Signature.
Dr. Judy Jarecki-Black  17 August 2005
 Name of Person Signing Signature Date

1/23/2005 BYRRE 00000149 502354 11110480 Total number of pages including cover sheet, attachments, and documents: 6

FC:8021 40.00 DA Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

ASSIGNMENT

We, Robert NORDGREN, 1210 Thornwell Drive, Athens, Georgia 30606, Sheena May Loosmore, 70 Crawford Rose Drive, Aurora, Ontario, Canada L4G 4R4, Jean- Christophe Francis AUDONNET, 119, rue de Créqui, 69006 LYON, France and Marvin J. GRUBMAN, P.O. Box 1483, Southold, New York 11971 have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled: "Avipox Recombinants Expressing Foot and Mouth Disease Virus (FMDV) Genes" and MERIAL LIMITED, a company limited by shares Registered in England And Wales No. 3332751, with registered office at P.O. BOX 327, Sandringham House, Sandringham Avenue, Harlow business Park, Harlow Essex CM19 5TG, England, and domesticated in Delaware, USA as MERIAL LLC, with a place of business at 3239 Satellite Blvd., Duluth, GA 30096-4640, USA, and which, together with its successors and assigns is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited, and of confirming the same or any part thereof heretofore acquired by Assignee.

Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign and convey to and confirm in Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or discoveries or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the

inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs and legal representatives, as well as ourselves to do, upon Assignee's request and at its expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us or our heirs or representatives if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs or legal representatives and which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have affixed our signatures.

Sept 8 '94
Date of Signature


Signature: **Robert NORDGREN**

Date of Signature

Signature: **Sheena May LOOSMORE**

Date of Signature

Signature: **Jean-Christophe Francis AUDONNET**

inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs and legal representatives, as well as ourselves to do, upon Assignee's request and at its expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us or our heirs or representatives if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs or legal representatives and which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have affixed our signatures.

Date of Signature Signature: **Robert NORDGREN**

Aug. 31, 2004
Date of Signature Signature: *Sheena May Loosmore*
Sheena May LOOSMORE

Date of Signature Signature: **Jean-Christophe Francis AUDONNET**

inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs and legal representatives, as well as ourselves to do, upon Assignee's request and at its expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us or our heirs or representatives if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs or legal representatives and which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have affixed our signatures.

Date of Signature Signature: **Robert NORDGREN**

Date of Signature Signature: **Sheena May LOOSMORE**

SEPT, 01, 2004

Date of Signature Signature: **Jean-Christophe Francis AUDONNET**

same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs and legal representatives, as well as ourselves to do, upon Assignee's request and at its expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us or our heirs or representatives if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs or legal representatives and which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have affixed our signatures.

 Date of Signature Signature: **Robert NORDGREN**

 Date of Signature Signature: **Sheena May LOOSMORE**

 Date of Signature Signature: **Jean-Christophe Francis AUDONNET**

9/14/04 *Marvin J. Grubman*

 Date of Signature Signature: **Marvin J. Grubman**