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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office Attorney Docket No. 110.0305 0101

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1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
Marie R. GRAMER Additional name(s) of conveying party(ics) attached?YesNo	Name: Regents of the University of Minnesota
3. Nature of conveyance: X Assignment Merger Security Agreement Change of Name License	Street Address: 1000 Westgate Drive Suite 160 City: St. PaulState: MN ZIP: 55114-8658
Execution Date: September 12, 2008	Additional name(s) & address(es) attached?Yes _X_No
 4. Application number(s) or patent number(s): If this document is being filed together with a new application, A. Patent Application No(s). 12/171/992 Title: H2N3 INFLUENZA A VIRUSES AND METUO 	B. Patent No(s).
Additional numbers attached?Yes _X_No	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1
Name: DAVID L. PROVENCE Address: MUETING, RAASCH & GEBHARDT, P.A. P.O. Box 581336 Minneapolis, MN 55458-1336 Customer Number 26813	 7. Total fee (37 CFR §3.41): \$40.00 Enclosed X Authorized to be charged to deposit account 8. Please charge any additional fees or credit any overpayments to Deposit account number: 13-4895
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Total number of pages including cover sheet, attachments, and document(s): 2	

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PATENT REEL: 021916 FRAME: 0724



Docket 110.0305 0101

ASSIGNMENT

Whereas I, Marie Rene Gramer, with residence and citizenship as indicated below; have made an invention in

H2N3 INFLUENZA A VIRUSES AND METHODS OF USE

U.S. Patent Application Serial No.: 12/171,992 Filed: July 11, 2008 Provisional Application Serial No.: 60/959,333 Provisional Filing Date: July 13, 2007 Provisional Application Serial No.: 60/961,072 Provisional Filing Date: July 18, 2007 Provisional Application Serial No.: 60/961,930 Provisional Filing Date: July 25, 2007 Provisional Application Serial No.: 60/002,242 Provisional Filing Date: November 7, 2007

and executed an application for Letters Patent of the United States of America based thereon;

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I have agreed to assign and transfer and do hereby assign and transferunto REGENTS OF THE UNIVERSITY OF MINNESOTA ("Company"), a corporation of MINNESOTA, having its principal office at 1000 WESTGATE DRIVE, SUITE 160, ST. PAUL, MINNESOTA 55114-8658, its successors and assigns, the entire right, title, and interest in and to said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in said invention made by me or made jointly with others (provided any such improvement is made during, or within one year after the tennination of, my employment by the Company), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me had this assignment and transfer not been made;

I do further agree for myself and for my heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I lawfully may, that may be deemed occessary by the Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries:

And I do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of said applications, to REGENTS OF THE UNIVERSITY OF MINNESOTA as the assignee of the entire right, title, and interest therein.

In witness whereof, I have hereunto signed my name on the day and year set forth below.

Marie Rene Gramer

Address: Citizenship;

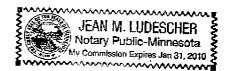
USA

5955 Turtle Lake Road, Shoreview, MN 55126

) SS.

STATE OF Minnesot

On this 12th day of September 2008, before me personally appeared MARIE GRAMER, to me known to be the person described in and who executed the foregoing instrument, and he/she executed the same for the uses and purposes therein set forth,



PATENT

<u>Sept 12, 2008</u>

REEL: 021916 FRAME: 0725