11/10/2021 506969388

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7016226

L	Corrective Assignment to correct the RECORDATION SHOULD BE "HIEP LAI XUAN VU". RECEIVING PARTY SHOULD BE BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA previously recorded on Reel 052841 Frame 0489. Assignor(s) hereby confirms the ASSIGNMENT.

CONVEYING PARTY DATA

Name	Execution Date
HIEP LAI XUAN VU	08/22/2016
Fernando Osorio	08/22/2016
Asit K. Pattnaik	08/23/2016
Fangrui Ma	08/25/2016

RECEIVING PARTY DATA

Name:	BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA
Street Address:	3835 HOLDREGE STREET
City:	LINCOLN
State/Country:	NEBRASKA
Postal Code:	68583-0745

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16054327

CORRESPONDENCE DATA

Fax Number: (877)769-7945

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: +1 (612) 278-4506

Email: apsi@fr.com

MARGARET S. WILLIS **Correspondent Name:** FISH & RICHARDSON P.C. Address Line 1:

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	24742-0091002
NAME OF SUBMITTER:	KRISTYN WALDHAUSER
SIGNATURE:	/Kristyn Waldhauser/
DATE SIGNED:	11/10/2021

PATENT REEL: 058084 FRAME: 0486 506969388

Total Attachments: 9 source=24742-0091002 Corrective Assignment#page1.tif source=24742-0091002 Corrective Assignment#page2.tif source=24742-0091002 Corrective Assignment#page3.tif source=24742-0091002 Corrective Assignment#page4.tif source=24742-0091002 Corrective Assignment#page5.tif source=24742-0091002 Corrective Assignment#page6.tif source=24742-0091002 Corrective Assignment#page7.tif source=24742-0091002 Corrective Assignment#page8.tif source=24742-0091002 Corrective Assignment#page8.tif

PATENT REEL: 058084 FRAME: 0487

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: CORRECTIVE ASSIGNMENT

NATURE OF CONVEYANCE: Corrective Assignment to correct the RECORDATION SHOULD BE "HIEP LAI XUAN VU" (MISSING "XUAN") previously recorded on Reel 052841 Frame 0489. Assignor(s) hereby confirms the ASSIGNMENT.

CONVEYING PARTY DATA

Name	Execution Date
HIEP LAI XUAN VU	08/22/2016
Fernando Osorio	08/22/2016
Asit K. Pattnaik	08/23/2016
Fangrui Ma	08/25/2016

RECEIVING PARTY DATA

Name:	THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS
Street Address:	3835 HOLDREGE STREET
City:	LINCOLN
State/Country:	NEBRASKA
Postal Code:	68583

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16054327

CORRESPONDENCE DATA

Fax Number: (877)769-7945

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: +1 (612) 278-4506

Email: apsi@fr.com

Correspondent Name: MARGARET S. WILLIS
Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	24742-0091002
NAME OF SUBMITTER:	KRISTYN WALDHAUSER
SIGNATURE:	/Kristyn Waldhauser/
DATE SIGNED:	06/17/2021

Total Attachments: 7

PATENT REEL: 058084 FRAME: 0488

EPAS ID: PAT6766993

Attorney Docket No.: 24742-0091WO1 / 2173-02 (EU)

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, HIEP LAI XUAN VU, FERNANDO OSORIO, ASIT K. PATTNAIK, and FANGRUI MA, each individually assign to BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA, a corporation formed under the laws of Nebraska and having a principal place of business at 3835 Holdrege Street, Lincoln, NE 68583-0745, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "A NON-NATURALLY OCCURING PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME VIRUS (PRRSV) AND METHODS OF USING," and was filed in the United States Patent and Trademark Office on March 21, 2014, as application 61/968,465 and International Application No. PCT/IB2015/052214, filed March 25, 2015 (the "Application").

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filling date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignce's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

Assignment Page 1 of 6

PATENT REEL: 058084 FRAME: 0489

Attorney Docket No.: 24742-0091WO1 / 2173-02 (EU)

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Date: 8/22/2016

State of Nebraska

County of Lan Caster

The foregoing instrument was acknowledged before me this 22 day of August, 20/6

by the Plai Xuan Vu

Motary Public signature

Assignment Page 2 of 6

Attorney Docket No.: 24742-0091WO1 / 2173-02 (EU)

State of Nebraska

Fernando Osorio

County of GNCaster

The foregoing instrument was acknowledged before me this 2 day of Agust. 20 16 by Formando Osono.

Assignment Page 3 of 6

Morney Docker No : 24742-0091WO F : 2173-02 (FC)

Description of Asia K. Patinaik Date: Perguet 24, Delt

State of Nebraska

County of Lanaster

The foregoing instrument was acknowledged before me this 23 day of Acquist. 20 / Co by AS, T. K.; Pathnack. Hataca A. avangle. Notary Public signature

GENERAL MOTARY - State of Nebraska PATRICIA A. CAVANAGH My Comm. Exp. Merch 11, 2020

Assignment Page 4 of 6

Fangrui Ma

Date: August 25, 2016

State of Nebraska

County of . LANCaster

The foregoing instrument was acknowledged before me this 25 day of August 20/6
by Fangious Mg

Pattice a aware of Notary Public signature

GENERAL NOTARY - State of Nebrasks PATRICIA A. CAVANAGH My Comm. Exp. March 11, 2020

Assignment Page 5 of 6

The Assignee hereby acknowledges and accepts the foregoing	assignment.	
Assignee: BOARD OF REGENTS OF THE UNIVERSITY O	F NEBRASKA	
Signature: Steve Goddard	Date: 4/2/	18
Name: Steve Goddard	V. 17	***************************************
Time: Interm Via Chancellor for Research.	and Economic.	Development
State of Nebraska County of LAMCASHW The foregoing instrument was acknowledged before me this E by Steve goddayd May M. Juest Notary Public signature	and day of April	, 20 \\
8.7.5.504.39 day	GENERAL NOTARY - S Mary M My Comm. Ex	∕I Guest

Assignment Page 6 of 6

PATENT REEL: 058084 FRAME: 0494

RECORDED: 11/10/2021