

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Manuel V. Borca	07/29/2009
James J. Zhu	07/29/2009
RECEIVING PARTY DATA	
Name:	The United States of America, as represented by the Secretary of Agriculture
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State/Country:	DISTRICT OF COLUMBIA
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12454766
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PATENT
REEL: 023218 FRAME: 0411

ASSIGNMENT


WHEREAS, I (we), Manuel V. Borca and James J. Zhu
residing at 85 McVeagh Road Westbrook, CT 06498 and 86 Corey Lane Niantic, CT
06357. Respectively
having invented an improvement in Mutations in a Toll-like Receptor Motif in the NS4B of Classical
Swine Fever Virus Strain Brescia Influences Virulence in Swine

for which I (we) have made application for Letters Patent of the United States, identified as
Department of Agriculture Case No. 0096.08 (S.N. 12/454,766 filed on 05/22/2009).

WHEREAS, the WORLDWIDE patent rights in my (our) share of said invention are assignable
to the United States by virtue of my (our) having made the invention while in the employ of the United
States Department of Agriculture under applicable law and regulations of the United States
Department of Agriculture which render the patent rights so assignable; and

WHEREAS, the United States, as represented by the Secretary of Agriculture, is desirous of
acquiring an assignment of said patent rights;


NOW, THEREFORE, in consideration of these premises, I (we) hereby assign said
WORLDWIDE patent rights to the United States of America, as represented by the Secretary of
Agriculture



Manuel V. Borca

07-27-09

(date)



James J. Zhu

07-29-2009

(date)