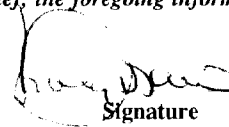


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FORM PTO-1595 (Rev. 6-93)		RECORDATION FORM COVER SHEET PATENTS ONLY		U.S. DEPT. OF COMMERCE Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies): George E. Seidel, Edward L. Squires and Patrick M. McCue  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			2. Name and address of receiving party(ies)  Name: Colorado State University through its agent Colorado State University Research Foundation  Internal Address:  Street Address: 601 South Howes Street, Room 410  City: Fort Collins State: CO Zip: 80522  Additional name(s) & address attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger  <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name  <input type="checkbox"/> Other  Execution Date(s) of Assignment: August 20, 2000					
4. Application number(s) or patent number(s):  A. Patent Application No.(s): PCT/US99/17165, entitled "Equine System for Non-Surgical Artificial Insemination", <del>filed 29 July 1999</del>  B. Patent No.(s):  Additional numbers attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Craig R. Miles  Internal Address: Santangelo Law Offices, P.C.  Street Address: 125 South Howes, 3rd Floor  City: Fort Collins State: Colorado Zip: 80521			6. Total number of applications and patents involved: _____ 7. Total fee (37 CFR 3.41) .....\$40.00  <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account  8. Deposit account number:  (Attach duplicate copy of this page if paying by deposit account)		
09/20/2000 MTR 011 00000187 PCT/US99/17165 01 FC:581 40.00 DP DO NOT USE THIS SPACE					
9. Statement and signature.  <i>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.</i>  Craig R. Miles Name of Person Signing   Signature  September 1, 2000 Date  Total number of pages including cover sheet, attachments, and document:					

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademark, Box Assignments  
Washington, DC 20231

PATENT  
REEL: 011075 FRAME: 0561

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IN THE UNITED STATES PATENT AND  
TRADEMARK OFFICE:  
PCT BRANCH  
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In Re the Pending International Application of: XY, Inc.

International Application Number: PCT/US99/17165

International Filing Date: 29 July 1999

Priority Date: 30 July 1998

For: Equine System for Non-Surgical Artificial Insemination

Receiving Office: RO/US

**ASSIGNMENT OF PATENT RIGHTS**

THIS ASSIGNMENT document is between and among Colorado State University Research Foundation, a non-profit Colorado Corporation, whose business address is: 601 South Howes Street, Room 410, Fort Collins, CO 80522, (hereinafter called "Assignee"), and Edward L. Squires, whose address is 5536 N. County Road 3, Fort Collins, CO 80524, Patrick M. McCue, whose address is 1200 Cliffrose Court, Fort Collins, CO 80525 and George E. Seidel, whose address is 3101 Arrowhead Road, LaPorte, CO 80535 (each an "Assignor").

WHEREAS, Assignor is currently conducting efforts which are currently incorporated in the technology addressed by the above referenced patent application entitled "Equine System for Non-Surgical Artificial Insemination" (the Invention);

WHEREAS, the Assignor has been and is under a continuing obligation to assign all rights related to the Invention to Colorado State University Research Foundation; and

WHEREAS, Assignor has agreed that Assignee shall own all patent rights to the above referenced invention;

NOW, THEREFORE, for and in consideration of the payment of ten dollars (\$10.00), the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree as follows:

1. The Assignor warrants that: he is the originator of all lawful rights, title, and interest to the Invention; these rights arose as a result of efforts at Colorado State University; he has conveyed no right, title, or interest in the Invention to any party other than the Assignee; and at the time of signing of this Assignment, he neither knows nor has reason to know of any outstanding claims, title, or interests against his interest in the Invention which are contrary to this assignment.

2. The Assignor, for good and valuable consideration, hereby sells, grants, transfers, and assigns to the Assignee its entire and exclusive right, title, and interest in and to the Invention. Such assignment includes, but is not limited to: all worldwide rights to make, use, and sell the Invention, and to file for foreign patents based upon the Invention, the entire right, title and interest in and to any improvements, divisions, substitutions, reissues, extensions, continuations, and continuations-in-part thereof, and all patents which may be granted thereon, and all related rights such as utility-model registrations, inventor's certificates and the like which may be granted under the laws of any foreign government.

3. The Assignor covenants that he will not execute any agreement in conflict with this Assignment. The Assignor on his behalf further covenants and agrees that he will testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuations-in-part, substitute, foreign, and reissue applications, make all rightful oaths, and generally do everything possible to aid Assignee or its licensee(s) or other successors in interests to obtain and enforce full protection and title in and to said Invention and related improvements in all countries without further consideration but at the expense of the Assignee.

4. This assignment shall be binding on all parties, their heirs, executors, administrators, successors, and/or assigns, and may be recorded before any governmental entity, including but not limited to the United States Patent and Trademark Office. The use of any singular shall include the plural and any plural shall include the singular as the case may be. The use of any gender term shall include be construed include any of masculine, feminine, or neuter term as the case may be.

5. Each Assignor grants the firm of Santangelo Law Offices, P.C., the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office or any foreign patent office for recordation of this document, including but not limited to inserting the application number, the execution date, or the filing date of the above-entitled United States Patent Application based upon the Invention.

Date: 8/28/00

Edward L. Squires  
Edward L. Squires

UNITED STATES OF AMERICA )  
STATE OF COLORADO )ss.  
COUNTY OF LARIMER )

SUBSCRIBED AND AFFIRMED OR SWORN to before me in the County of Larimer, State of Colorado, United States of America, by Edward L. Squires, this 28 day of August, 2000.

WITNESS my hand and official seal pursuant to the authority vested in me as a Notary Public by the State of Colorado.

Barbara M. Kammerer  
Notary Public  
My Commission Expires: 4-9-2004

Date: 8/28/00

Patrick M. McCue  
Patrick M. McCue

UNITED STATES OF AMERICA )  
STATE OF COLORADO )ss.  
COUNTY OF LARIMER )

SUBSCRIBED AND AFFIRMED OR SWORN to before me in the County of Larimer, State of Colorado, United States of America, by Patrick M. McCue, this 28<sup>th</sup> day of August, 2000.

WITNESS my hand and official seal pursuant to the authority vested in me as a Notary Public by the State of Colorado.

Debra Marie Kimmeyer  
Notary Public  
My Commission Expires: 4-9-2000

Date: Aug 28, 2000

George Seidel  
George Seidel

UNITED STATES OF AMERICA )  
STATE OF COLORADO )ss.  
COUNTY OF LARIMER )

SUBSCRIBED AND AFFIRMED OR SWORN to before me in the County of Larimer, State of Colorado, United States of America, by George Seidel, this 28<sup>th</sup> day of August, 2000.

WITNESS my hand and official seal pursuant to the authority vested in me as a Notary Public by the State of Colorado.

Debra Marie Kimmeyer  
Notary Public  
My Commission Expires: 4-9-2000