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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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| SUBMISSION TYPE | E: NEW ASSIGNMENT | | | | | |
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| NATURE OF CONVEYANCE: | | ASSIGNMENT | | | | |
| CONVEYING PART | Y DATA | | <u> </u> | | | |
| | | Ni | lame | | Execution Date | |
| GEORGE SEIDEL | | | anc | 06 | 6/29/2000 | |
| RECEIVING PARTY | DATA | | | | | |
| Name: | COLORADO | STATE U | JNIVERSITY RESEARCH FOUNDATION | N | | |
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| State/Country: | COLORADO | | | | | |
| Postal Code: | 80522 | | | | | |
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PATENT REEL: 032146 FRAME: 0548

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Express Mail No. EL550693793US Attorney Docket:XY-Lodo-USNP

| IN THE | UNITED STATES PATENT. | AND |
|--------|-----------------------|-----|
| | TRADEMARK OFFICE | |

| in Re the Application of: | George E. | Seidel, Lisa | Herickhoff. | John | Schenk |
|---------------------------|-----------|--------------|-------------|------|--------|
|---------------------------|-----------|--------------|-------------|------|--------|

| For: | Sex Specific Insemination of Mammals | With Low Number of Sperm Cells | |
|----------------|---|--------------------------------|--|
| Serial Number: | (original US) 09/001,394 (original US) 09/015,454 (PCT) PCT/US98/27909 | (new) | |
| Filed: | (original US) 31 December 1997 (original US) 29 January 1998 (PCT) 31 December 1998 | (new) | |
| Assignee: | | | |

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 George Seidel whose address is 3101 Arrowhead Road, LaPorte, CO 80535 (the "ASSIGNOR").

WHEREAS, ASSIGNOR is currently conducting efforts which are currently incorporated in the technology addressed by the above referenced patent application entitled "Sex Specific Insemination of Mammals With Low Number of Sperm Cells" (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:

PATENT REEL: 032146 FRAME: 0549

- 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.

ASSIGNOR

Date: 6/29/00

George E. 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 E. Seidel, this 29 day of June, 2000.

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

Notary Public

My Commission Expires: $\frac{5-9-2004}{}$

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