

TRADEMARK ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| | | | |
|----------------------------|---------------------------|----------------|-------------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT | | |
| NATURE OF CONVEYANCE: | SECURITY INTEREST | | |
| CONVEYING PARTY DATA | | | |
| Name | Formerly | Execution Date | Entity Type |
| MOFA GROUP LLC | | 02/28/2014 | LIMITED LIABILITY COMPANY: DELAWARE |
| RECEIVING PARTY DATA | | | |
| Name: | MINITUBE OF AMERICA, INC. | | |
| Street Address: | 419 Venture Court | | |
| City: | Verona | | |
| State/Country: | WISCONSIN | | |
| Postal Code: | 53593 | | |
| Entity Type: | CORPORATION: WISCONSIN | | |
| PROPERTY NUMBERS Total: 12 | | | |
| Property Type | Number | Word Mark | |
| Registration Number: | 4300627 | ANDROPRO | |
| Registration Number: | 4461803 | APX2 | |
| Registration Number: | 4455027 | BOVIPRO | |
| Registration Number: | 2765312 | CRYOGUARD | |
| Registration Number: | 2795647 | ENDURAGUARD | |
| Registration Number: | 2728049 | EQUIPRO | |
| Registration Number: | 2034996 | MINIFLUSH | |
| Serial Number: | 85929193 | MOFA | |
| Registration Number: | 2881751 | SPERM VISION | |
| Registration Number: | 2139883 | SPERMNOTES | |
| Registration Number: | 2925421 | SPERMNOTES | |
| Registration Number: | 3627622 | VIPIG | |
| CORRESPONDENCE DATA | | | |

Fax Number:

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

Phone: 414-271-6560
Email: sjsorensen@michaelbest.com
Correspondent Name: Michael Best & Friedrich LLP
Address Line 1: 100 E. Wisconsin Avenue, Suite 3300
Address Line 4: Milwaukee, WISCONSIN 53202-4108

| | |
|--------------------------------|-----------------------|
| ATTORNEY DOCKET NUMBER: | 066379-9005 |
| NAME OF SUBMITTER: | Jeffrey D. Peterson |
| Signature: | /jeffrey d. peterson/ |
| Date: | 03/05/2014 |

Total Attachments: 21

- source=14641342_ASFILED_SecurityAgreementTrademarks#page1.tif
- source=14641342_ASFILED_SecurityAgreementTrademarks#page2.tif
- source=14641342_ASFILED_SecurityAgreementTrademarks#page3.tif
- source=14641342_ASFILED_SecurityAgreementTrademarks#page4.tif
- source=14641342_ASFILED_SecurityAgreementTrademarks#page5.tif
- source=14641342_ASFILED_SecurityAgreementTrademarks#page6.tif
- source=14641342_ASFILED_SecurityAgreementTrademarks#page7.tif
- source=14641342_ASFILED_SecurityAgreementTrademarks#page8.tif
- source=14641342_ASFILED_SecurityAgreementTrademarks#page9.tif
- source=14641342_ASFILED_SecurityAgreementTrademarks#page10.tif
- source=14641342_ASFILED_SecurityAgreementTrademarks#page11.tif
- source=14641342_ASFILED_SecurityAgreementTrademarks#page12.tif
- source=14641342_ASFILED_SecurityAgreementTrademarks#page13.tif
- source=14641342_ASFILED_SecurityAgreementTrademarks#page14.tif
- source=14641342_ASFILED_SecurityAgreementTrademarks#page15.tif
- source=14641342_ASFILED_SecurityAgreementTrademarks#page16.tif
- source=14641342_ASFILED_SecurityAgreementTrademarks#page17.tif
- source=14641342_ASFILED_SecurityAgreementTrademarks#page18.tif
- source=14641342_ASFILED_SecurityAgreementTrademarks#page19.tif
- source=14641342_ASFILED_SecurityAgreementTrademarks#page20.tif
- source=14641342_ASFILED_SecurityAgreementTrademarks#page21.tif

THIS INSTRUMENT AND THE RIGHTS AND OBLIGATIONS EVIDENCED HEREBY ARE SUBORDINATE IN THE MANNER AND TO THE EXTENT SET FORTH IN THAT CERTAIN SUBORDINATION AND INTERCREDITOR AGREEMENT (THE "SUBORDINATION AGREEMENT") DATED AS OF FEBRUARY 28, 2014, BY AND AMONG MINITUBE OF AMERICA, INC., A WISCONSIN CORPORATION, GENEX COOPERATIVE, INC., A WISCONSIN COOPERATIVE ASSOCIATION ("GENEX"), COOPERATIVE RESOURCES INTERNATIONAL, INC., A WISCONSIN COOPERATIVE ASSOCIATION ("CRI"), MOFA GROUP LLC, A DELAWARE LIMITED LIABILITY COMPANY ("MOFA" OR "PURCHASER"), AND JPMORGAN CHASE BANK, N.A., A NATIONAL BANKING ASSOCIATION, TO THE INDEBTEDNESS (INCLUDING INTEREST) OWED BY GENEX, CRI, MOFA AND CERTAIN OF THEIR AFFILIATES PURSUANT TO THE SENIOR LENDERS (AS DEFINED IN THE SUBORDINATION AGREEMENT) UNDER THE SENIOR DEBT DOCUMENTS (AS DEFINED IN THE SUBORDINATION AGREEMENT), AS SUCH SENIOR DEBT DOCUMENTS HAVE BEEN AND HEREAFTER MAY BE AMENDED, SUPPLEMENTED OR OTHERWISE MODIFIED FROM TIME TO TIME AND TO INDEBTEDNESS REFINANCING THE INDEBTEDNESS UNDER THOSE AGREEMENTS AS CONTEMPLATED BY THE SUBORDINATION AGREEMENT; AND EACH HOLDER OF THIS INSTRUMENT, BY ITS ACCEPTANCE HEREOF, IRREVOCABLY AGREES TO BE BOUND BY THE PROVISIONS OF THE SUBORDINATION AGREEMENT.

NOTICE OF SECURITY INTEREST IN TRADEMARKS

THIS NOTICE OF SECURITY INTEREST IN TRADEMARKS is made as of February 28, 2014, by and between MOFA GROUP LLC, a Delaware limited liability company (the "**Debtor**"), and MINITUBE OF AMERICA, INC. (the "**Secured Party**").

The parties acknowledge the following:

A. Debtor, COOPERATIVE RESOURCES INTERNATIONAL, INC., a Wisconsin cooperative association, and GENEX COOPERATIVE, INC., a Wisconsin cooperative association have executed and delivered to the Secured Party that certain Subordinated Promissory Note 1 in the original principal amount of \$5,170,000.00 and that certain Subordinated Promissory Note 2 in the original principal amount of \$10,000,000.00;

B. Debtor owns the trademarks and trademark applications (the "**Trademarks**") listed on Exhibit A attached hereto. Certain of the Trademarks are registered with the United States Patent and Trademark Office;

C. Debtor has granted to the Lender a security interest in the Trademarks on the terms and conditions set forth in that certain Subordinated Security Agreement dated the date hereof by and between Debtor and Security Party (the "**Security Agreement**").

D. Pursuant to the Security Agreement, Debtor has granted to the Secured Party a security interest in and to all of the Trademarks, applications therefor and associated goodwill therein, now owned or from time to time after the date hereof owned or acquired by Debtor, and in and to all proceeds and benefits thereof.

[Signature Page Following]

IN WITNESS WHEREOF, the undersigned have executed this Notice of Security Interest in Trademarks as of the day and year first set forth above.

DEBTOR:

MOFA GROUP LLC

By: 

Name: R. Douglas Wilson

Its: President and Chief Executive Officer

SECURED PARTY:

MINITUBE OF AMERICA, INC.

By: _____

Ludwig O. Simmet, President

[Signature Page to Notice of Security in Trademarks]

IN WITNESS WHEREOF, the undersigned have executed this Notice of Security Interest in Trademarks as of the day and year first set forth above.

DEBTOR:

MOFA GROUP LLC .

By: _____
Name: R. Douglas Wilson
Its: President and Chief Executive Officer

SECURED PARTY:

MINITUBE OF AMERICA, INC.

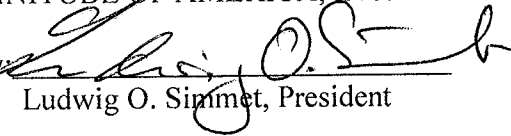
By: 
Ludwig O. Simmet, President

EXHIBIT A
TRADEMARKS

| TRADEMARK | COUNTRY | APP. No. | FILING DATE | Reg. No. | REG DATE | GOODS/SERVICES | DATE OF FIRST USE | STATUS | Notes |
|-----------|-------------------------------------|------------|-------------|-----------|----------|--|-------------------|----------------------------|---|
| ANDROPRO | Brazil | | 7/3/12 | | 03/05/13 | 05 Int.: Semen extender and storage medium used in the artificial insemination process for long term storage of the semen of animals | N/A | PUBLISHED | |
| ANDROPRO | Canada | 1,583,275 | 06/18/12 | | | 05 Int.: Semen extender and storage medium used in the artificial insemination process for long term storage of the semen of animals | ITU | PENDING | |
| ANDROPRO | Madrid Protocol: Australia | A0030430 | 06/21/12 | 1128268 | 06/21/12 | 05 Int.: Semen extender and storage medium used in the artificial insemination process for long term storage of the semen of animals | N/A | REGISTERED | Protection granted |
| | Madrid Protocol: China | | | | | | | | Protection granted |
| | Madrid Protocol: European Union | | | | | | | | Protection granted |
| | Madrid Protocol: Russian Federation | | | | | | | | Response to refusal due: 1/31/14 |
| ANDROPRO | Mexico | M1286340 | 06/26/12 | 1387577 | 07/31/13 | 05 Int.: Semen extender and storage medium used in the artificial insemination process for long term storage of the semen of animals | | Granted Protection 7/31/13 | |
| ANDROPRO | United States | 85/654,520 | 6/18/12 | 4,300,627 | 03/12/13 | 05 Int.: Semen extender and storage medium used in the artificial insemination process for long term storage of the semen of animals | 6/6/2012 | REGISTERED | |
| ANDROSEP | US common law | | | | | Stallion Semen colloidal centrifugation medium | 10/31/2013 | UNFILED | Unfiled common law mark |
| APX2 | Argentina | 3248571 | 05/23/13 | | | 01 Int.: Culture, storage and dilution medium for maintaining the life, maximizing the viability, and assisting in gender selection of animal semen, oocytes, embryos, stem cells and other biological cells | N/A | PENDING | published in the Official Gazette No. 3624 on August 28, 2013 |

Exhibit A-1

**TRADEMARK
REEL: 005231 FRAME: 0097**

| TRADEMARK | COUNTRY | APP. No. | FILING DATE | Reg. No. | REG DATE | GOODS/SERVICES | DATE OF FIRST USE | STATUS | Notes |
|-----------|-----------|-----------|-------------|----------|----------|--|-------------------|---------|---|
| APX2 | Argentina | 3248573 | 05/23/13 | | | 05 Int.: Culture, storage and dilution medium for maintaining the life, maximizing the viability, and assisting in gender selection of animal semen, oocytes, embryos, stem cells and other biological cells | N/A | PENDING | published in the Official Gazette No. 3624 on August 28, 2013 |
| APX2 | Brazil | 840522177 | 05/21/13 | | | 01 Int.: Culture, storage and dilution medium for maintaining the life, maximizing the viability, and assisting in gender selection of animal semen, oocytes, embryos, stem cells and other biological cells | N/A | PENDING | Published 10/8/13 |
| APX2 | Brazil | 840522088 | 05/21/13 | | | 05 Int.: Culture, storage and dilution medium for maintaining the life, maximizing the viability, and assisting in gender selection of animal semen, oocytes, embryos, stem cells and other biological cells | N/A | PENDING | Published 10/8/13 |
| APX2 | Canada | 1,627,594 | 05/21/13 | | | 01 Int.: Culture, storage and dilution medium for maintaining the life, maximizing the viability, and assisting in gender selection of animal semen, oocytes, embryos, stem cells and other biological cells 05 Int.: Culture, storage and dilution medium for maintaining the life, maximizing the viability, and assisting in gender selection of animal semen, oocytes, embryos, stem cells and other biological cells | 3/10/2009 | PENDING | |
| APX2 | Chile | 1.059.589 | 05/28/13 | | | 01 Int.: Culture, storage and dilution medium for maintaining the life, maximizing the viability, and assisting in gender selection of animal semen, oocytes, embryos, stem cells and other biological cells | N/A | PENDING | |
| APX2 | Chile | 1.059.592 | 05/28/13 | | | 05 Int.: Culture, storage and dilution medium for maintaining the life, maximizing the viability, and assisting in gender selection of animal semen, oocytes, embryos, stem cells and other biological cells | N/A | PENDING | |

Exhibit A-2

| TRADEMARK | COUNTRY | APP. No. | FILING DATE | Reg. No. | REG DATE | GOODS/SERVICES | DATE OF FIRST USE | STATUS | Notes |
|-----------|------------------------------------|----------|-------------|----------|----------|---|-------------------|--|---------------------------|
| APX2 | Madrid Protocol: Russia | | 05/17/13 | | | 01 Int.: Culture, storage and dilution medium for maintaining the life, maximizing the viability, and assisting in gender selection of animal semen, oocytes, embryos, stem cells and other biological cells 05 Int.: Culture, storage and dilution medium for maintaining the life, maximizing the viability, and assisting in gender selection of animal semen, oocytes, embryos, stem cells and other biological cells | N/A | PENDING Ex-Officio examination completed for European Union Ex-Officio examination completed for Australia | |
| | Madrid Protocol: Australia | | | | | | | | |
| | Madrid Protocol: China | | | | | | | | |
| | Madrid Protocol: European Union | | | | | | | | |
| APX2 | Mexico | 1375363 | 05/21/13 | | 8/9/13 | 01 Int.: Culture, storage and dilution medium for maintaining the life, maximizing the viability, and assisting in gender selection of animal semen, oocytes, embryos, stem cells and other biological cells | 2/14/2008 | PENDING | Answer to OA filed 9/5/13 |
| APX2 | Mexico | 1375365 | 05/21/13 | 1389204 | 8/9/13 | 05 Int.: Culture, storage and dilution medium for maintaining the life, maximizing the viability, and assisting in gender selection of animal semen, oocytes, embryos, stem cells and other biological cells other than for medical and veterinary use 05 Int.: Culture, storage and dilution medium for maintaining the life, maximizing the viability, and assisting in gender selection of animal semen, oocytes, embryos, stem cells and other biological cells for medical and veterinary use | 2/14/2008 | REGISTERED | |

Exhibit A-3

| TRADEMARK | COUNTRY | APP. No. | FILING DATE | Reg. No. | REG DATE | GOODS/SERVICES | DATE OF FIRST USE | STATUS | Notes |
|-----------|---------------|------------|-------------|-----------|----------|---|-------------------|--|---|
| APX2 | United States | 85/929,207 | 05/10/13 | 4,461,803 | 1/07/14 | 01 Int.: Culture, storage and dilution medium for maintaining the life, maximizing the viability, and assisting in gender selection of animal semen, oocytes, embryos, stem cells and other biological cells other than for medical and veterinary use 05 Int.: Culture, storage and dilution medium for maintaining the life, maximizing the viability, and assisting in gender selection of animal semen, oocytes, embryos, stem cells and other biological cells for medical and veterinary use | 11/6/2008 | OA issued based on recitation of goods; response filed; notice of publication issued on 10/22/13. REGISTERED | |
| BOVIPRO | United States | 85/944,764 | 05/29/13 | 4,445,027 | 12/24/13 | 01 Int.: Culture, storage and dilution media for maintaining the life and maximizing the viability of animal semen, oocytes, embryos, stem cells and other biological cells other than for medical and veterinary use. 05 Int.: Culture, storage and dilution media for maintaining the life and maximizing the viability of semen, oocytes, embryos, stem cells and other biological cells; semen extender and storage media used in the artificial insemination process for medical and veterinary use. | 05/17/04 | REGISTERED | Mindi reported application filed on 5/29/13; potential infringement issue with Nidacon. Notice of publication issued 10/8/13 |
| BOVIPRO | Brazil | | | | | 01 Int.: Culture, storage and dilution media for maintaining the life and maximizing the viability of animal semen, oocytes, embryos, stem cells and other biological cells other than for medical and veterinary use 05 Int.: Culture, storage and dilution media for maintaining the life and maximizing the viability of semen, oocytes, embryos, stem cells and other biological cells for medical and veterinary use; semen extender and storage media used in the artificial insemination process for medical and veterinary use | | | |
| BOVIPRO | Canada | 16151370 | 11/12/13 | | | Culture, storage and dilution media for maintaining the life and maximizing the viability of animal semen, oocytes, embryos, stem cells and other biological cells other than for medical and veterinary use; culture, storage and dilution media for maintaining the life and maximizing the viability of semen, oocytes, embryos, stem cells and other biological cells for medical and veterinary use; semen extender and storage media used in the artificial insemination process for medical and veterinary use | | PENDING | |

Exhibit A-4

| TRADEMARK | COUNTRY | APP. No. | FILING DATE | Reg. No. | REG DATE | GOODS/SERVICES | DATE OF FIRST USE | STATUS | Notes |
|-----------|-----------------------------|-----------|-------------|------------|----------|---|-------------------|--|--|
| CAPRIPRO | United States | | | | | | N/A | Waiting until use commences to file application. | Potential infringement issue with Nidacon. |
| CANIPRO | US common law | | | | | Canine semen extender | 01/19/2005 | UNFILED | Unfiled common law mark |
| COOLGUARD | US common law | | | | | Enhancement to different semen extenders (e.g. BoviPro, EquiPro) | 05/27/2013 | UNFILED | Unfiled common law mark |
| CRYOGUARD | Argentina | 2,383,313 | 07/26/02 | 1,971,325 | 02/20/04 | 05 Int.: Culture and dilution medium as used in artificial insemination and embryo transfer of mammals. | N/A | REGISTERED | |
| CRYOGUARD | Australia | 920521 | 07/19/02 | 920521 | 01/14/03 | 05 Int.: Culture and dilution medium as used in artificial insemination and embryo transfer of mammals. | N/A | REGISTERED | |
| CRYOGUARD | Canada | 1,147,468 | 07/19/02 | TMA629,220 | 01/04/05 | 05 Int.: Culture and dilution medium as used in artificial insemination and embryo transfer of mammals. | 12/2/2004 | REGISTERED | |
| CRYOGUARD | European Community: Austria | 2809366 | 07/23/02 | 2809366 | 09/10/04 | 05 Int.: Culture and dilution medium as used in artificial insemination and embryo transfer of mammals. | N/A | REGISTERED | |
| | European Community: Benelux | | | | | | | | |
| | European Community: Germany | | | | | | | | |
| | European Community: Denmark | | | | | | | | |

Exhibit A-5

| TRADEMARK | COUNTRY | APP. No. | FILING DATE | Reg. No. | REG DATE | GOODS/SERVICES | DATE OF FIRST USE | STATUS | Notes |
|-----------|------------------------------------|----------|-------------|----------|----------|---|-------------------|------------|-------|
| | European Community: Spain | | | | | | | | |
| | European Community: Finland | | | | | | | | |
| | European Community: France | | | | | | | | |
| | European Community: United Kingdom | | | | | | | | |
| | European Community: Greece | | | | | | | | |
| | European Community: Ireland | | | | | | | | |
| | European Community: Italy | | | | | | | | |
| | European Community: Portugal | | | | | | | | |
| | European Community: Sweden | | | | | | | | |
| CRYOGUARD | Mexico | 558,196 | 07/26/02 | 785272 | 03/27/03 | 05 Int.: Culture and dilution medium as used in artificial insemination and embryo transfer of mammals. | Not Listed | REGISTERED | |

Exhibit A-6

| TRADEMARK | COUNTRY | APP. No. | FILING DATE | Reg. No. | REG DATE | GOODS/SERVICES | DATE OF FIRST USE | STATUS | Notes |
|-------------|---------------|------------|-------------|------------|----------------------------------|---|-------------------|------------|---|
| CRYOGUARD | United States | 76/363,722 | 01/28/02 | 2,765,312 | 09/16/03 Renewed: 9/16/13 | 05 Int.: Culture and dilution medium as used in artificial insemination and embryo transfer of mammals. | 10/1/2002 | REGISTERED | Renewal due 9/16/2023 |
| ENDURAGUARD | Canada | 1,147,466 | 07/19/02 | TMA597,227 | 12/11/03 | 05 Int.: Culture and dilution medium as used in the artificial insemination, in-vitro fertilization and embryo transfer of mammals. | 2/28/2002 | REGISTERED | |
| ENDURAGUARD | United States | 76/363,723 | 01/28/02 | 2,795,647 | 12/16/03 Renewed: 12/16/13 | 05 Int.: Culture and dilution medium as used in the artificial insemination, in-vitro fertilization and embryo transfer of mammals, exclusive of human use. | 2/25/2002 | REGISTERED | |
| EQUIPRO | Argentina | 2,383,315 | 07/26/02 | 1,971,327 | 02/20/04 | 05 Int.: Culture and dilution medium as used in the artificial insemination and in-vitro fertilization and embryo transfer of horses. | N/A | REGISTERED | |
| EQUIPRO | Australia | 920355 | 07/18/02 | 920355 | 12/03/02 | 05 Int.: Culture and dilution medium as used in the artificial insemination and in-vitro fertilization and embryo transfer of horses. | N/A | REGISTERED | |
| EQUIPRO | Canada | 1,147,467 | 07/19/02 | TMA597,469 | 12/15/03 | 05 Int.: Culture and dilution medium as used in the artificial insemination and in-vitro fertilization and embryo transfer of horses. | 4/18/2002 | REGISTERED | |
| EQUIPRO | United States | 76/363,724 | 01/28/02 | 2,728,049 | 06/17/03 Renewed: 6/17/13 | 05 Int.: Culture and dilution medium as used in the artificial insemination and in-vitro fertilization and embryo transfer of horses. | 4/18/2002 | REGISTERED | RENEWED 5/14/13 |
| HERDVISION | US common law | | | | | Embryo transfer management software | 12/24/2009 | UNFILED | Unfiled common law mark |
| MAVIC | US common law | | | | | Canine insemination catheter | 03/21/2008 | UNFILED | Unfiled common law mark |
| MINIFLUSH | United States | 74/703,323 | 07/19/95 | 2,034,996 | 2/4/97 Renewed: 2/4/07 | 10 Int.: EMBRYO COLLECTION, SEPARATION AND RECOVERY SYSTEM, COMPRISING, FILTER, FLUID FLOW CONTROL MECHANISM AND SEARCHING AND CULTURE DISH, USED IN THE EMBRYO TRANSFER PROCESS FOR PIGS, CATTLE, HORSES AND OTHER ANIMALS | 5/5/1992 | REGISTERED | |
| MOFA | Argentina | 3249885 | 05/29/13 | | | 01 Int.: Culture, storage and dilution media for maintaining the life and maximizing the viability of animal semen, oocytes, embryos, stem cells and other biological cells | N/A | PENDING | Priority document filed, awaiting publication |

Exhibit A-7

| TRADEMARK | COUNTRY | APP. No. | FILING DATE | Reg. No. | REG DATE | GOODS/SERVICES | DATE OF FIRST USE | STATUS | Notes |
|-----------|-----------|-----------|-------------|----------|----------|--|-------------------|---------|---|
| MOFA | Argentina | 3249884 | 05/29/13 | | | 05 Int.: Culture, storage and dilution media for maintaining the life and maximizing the viability of semen, oocytes, embryos, stem cells and other biological cells; semen extender and storage media used in the artificial insemination process; animal semen; biological tissue, namely, stem cells, gametes and embryos for medical or clinical use; living animal organs, namely, hearts, lungs, pancreas, kidneys, livers, skin, and uterus for medical or clinical use as surgical implants and transplants | N/A | PENDING | Priority document filed, awaiting publication |
| MOFA | Argentina | 3249882 | 05/29/13 | | | 09 Int.: Microfluidic devices, namely, microchannels with and without cross-channels, microchambers, microreactors, filters, columns, mixers, suction ports, separators, valves and pumps, used to store, handle, fertilize, evaluate, culture and identify oocytes and embryos for use in artificial reproduction; general laboratory equipment, namely, microscopes, pipettors, water baths, peristaltic pumps, balances, thermometers, photometers and laboratory ovens; computer software used to analyze, evaluate and store images of sperm cells, oocytes, embryos and other biological cells | N/A | PENDING | Published 9/4/13 |
| MOFA | Argentina | 3249883 | 05/29/13 | | | 10 Int.: Equipment for the collection, processing, packaging and preservation of animal semen; embryo and oocyte recovery, comprising of filters, fluid flow control mechanisms and searching and culture dishes; equipment used in the embryo transfer process for pigs, cattle, horses, dogs, sheep, goats and other animals; equipment for the artificial insemination and fertilization of pigs, cattle, horses, dogs, sheep, goats and other animals, namely, semen collection and storage vessels, semen measurement, evaluation and processing apparatus, semen dispensing instruments, semen dispensing catheters, embryo collection instruments, embryo storage and transfer containers, and other animal husbandry equipment, namely, breeding saddles | N/A | PENDING | Published 9/4/13 |
| MOFA | Brazil | 840527292 | 05/27/13 | | | 01 Int.: Culture, storage and dilution media for maintaining the life and maximizing the viability of animal semen, oocytes, embryos, stem cells and other biological cells | N/A | PENDING | Published 10/8/13 |

Exhibit A-8

| TRADEMARK | COUNTRY | APP. No. | FILING DATE | Reg. No. | REG DATE | GOODS/SERVICES | DATE OF FIRST USE | STATUS | Notes |
|-----------|---------|-----------|-------------|----------|----------|--|-------------------|---------|-------------------|
| MOFA | Brazil | 840527314 | 05/27/13 | | | 05 Int.: Culture, storage and dilution media for maintaining the life and maximizing the viability of semen, oocytes, embryos, stem cells and other biological cells; semen extender and storage media used in the artificial insemination process; animal semen; biological tissue, namely, stem cells, gametes and embryos for medical or clinical use; living animal organs, namely, hearts, lungs, pancreas, kidneys, livers, skin, and uterus for medical or clinical use as surgical implants and transplants | N/A | PENDING | Published 10/8/13 |
| MOFA | Brazil | 840527276 | 05/27/13 | | | 09 Int.: Microfluidic devices, namely, microchannels with and without cross-channels, microchambers, microreactors, filters, columns, mixers, suction ports, separators, valves and pumps, used to store, handle, fertilize, evaluate, culture and identify oocytes and embryos for use in artificial reproduction; general laboratory equipment, namely, microscopes, pipettors, water baths, peristaltic pumps, balances, thermometers, photometers and laboratory ovens; computer software used to analyze, evaluate and store images of sperm cells, oocytes, embryos and other biological cells | N/A | PENDING | Published 10/8/13 |
| MOFA | Brazil | 840527349 | 05/27/13 | | | 10 Int.: Equipment for the collection, processing, packaging and preservation of animal semen; embryo and oocyte recovery, comprising of filters, fluid flow control mechanisms and searching and culture dishes; equipment used in the embryo transfer process for pigs, cattle, horses, dogs, sheep, goats and other animals; equipment for the artificial insemination and fertilization of pigs, cattle, horses, dogs, sheep, goats and other animals, namely, semen collection and storage vessels, semen measurement, evaluation and processing apparatus, semen dispensing instruments, semen dispensing catheters, embryo collection instruments, embryo storage and transfer containers, and other animal husbandry equipment, namely, breeding saddles | | PENDING | Published 10/8/13 |

Exhibit A-9

| TRADEMARK | COUNTRY | APP. No. | FILING DATE | Reg. No. | REG DATE | GOODS/SERVICES | DATE OF FIRST USE | STATUS | Notes |
|-----------|---------|-----------|-------------|----------|----------|---|-------------------|---------|-------|
| MOFA | Canada | 1,627,679 | 05/22/13 | | | <p>01 Int.: Culture, storage and dilution media for maintaining the life and maximizing the viability of animal semen, oocytes, embryos, stem cells and other biological cells</p> <p>05 Int.: Culture, storage and dilution media for maintaining the life and maximizing the viability of semen, oocytes, embryos, stem cells and other biological cells; semen extender and storage media used in the artificial insemination process; animal semen; biological tissue, namely, stem cells, gametes and embryos for medical or clinical use; living animal organs, namely, hearts, lungs, pancreas, kidneys, livers, skin, and uterus for medical or clinical use as surgical implants and transplants</p> <p>09 Int.: Microfluidic devices, namely, microchannels with and without cross-channels, microchambers, microreactors, filters, columns, mixers, suction ports, separators, valves and pumps, used to store, handle, fertilize, evaluate, culture and identify oocytes and embryos for use in artificial reproduction; general laboratory equipment, namely, microscopes, pipettors, water baths, peristaltic pumps, balances, thermometers, photometers and laboratory ovens; computer software used to analyze, evaluate and store images of sperm cells, oocytes, embryos and other biological cells</p> <p>10 Int.: Equipment for the collection, processing, packaging and preservation of animal semen; embryo and oocyte recovery, comprising of filters, fluid flow control mechanisms and searching and culture dishes; equipment used in the embryo transfer process for pigs, cattle, horses, dogs, sheep, goats and other animals; equipment for the artificial insemination and fertilization of pigs, cattle, horses, dogs, sheep, goats and other animals, namely, semen collection and storage vessels, semen measurement, evaluation and processing apparatus, semen dispensing instruments, semen dispensing catheters, embryo collection instruments, embryo storage and transfer containers, and other animal husbandry equipment, namely, breeding saddles</p> | N/A | PENDING | |
| MOFA | Chile | 1060947 | 05/05/13 | | | <p>01 Int.: Culture, storage and dilution media for maintaining the life and maximizing the viability of animal semen, oocytes, embryos, stem cells and other biological cells</p> | N/A | PENDING | |

Exhibit A-10

| TRADEMARK | COUNTRY | APP. No. | FILING DATE | Reg. No. | REG DATE | GOODS/SERVICES | DATE OF FIRST USE | STATUS | Notes |
|-----------|---------|----------|-------------|----------|----------|--|-------------------|---------|-------|
| MOFA | Chile | 1060948 | 06/05/13 | | | 05 Int.: Culture, storage and dilution media for maintaining the life and maximizing the viability of semen, oocytes, embryos, stem cells and other biological cells; semen extender and storage media used in the artificial insemination process; animal semen; biological tissue, namely, stem cells, gametes and embryos for medical or clinical use; living animal organs, namely, hearts, lungs, pancreas, kidneys, livers, skin, and uterus for medical or clinical use as surgical implants and transplants | N/A | PENDING | |
| MOFA | Chile | 1060949 | 06/05/13 | | | 09 Int.: Microfluidic devices, namely, microchannels with and without cross-channels, microchambers, microreactors, filters, columns, mixers, suction ports, separators, valves and pumps, used to store, handle, fertilize, evaluate, culture and identify oocytes and embryos for use in artificial reproduction; general laboratory equipment, namely, microscopes, pipettors, water baths, peristaltic pumps, balances, thermometers, photometers and laboratory ovens; computer software used to analyze, evaluate and store images of sperm cells, oocytes, embryos and other biological cells | N/A | PENDING | |
| MOFA | Chile | 1060950 | 06/05/13 | | | 10 Int.: Equipment for the collection, processing, packaging and preservation of animal semen; embryo and oocyte recovery, comprising of filters, fluid flow control mechanisms and searching and culture dishes; equipment used in the embryo transfer process for pigs, cattle, horses, dogs, sheep, goats and other animals; equipment for the artificial insemination and fertilization of pigs, cattle, horses, dogs, sheep, goats and other animals, namely, semen collection and storage vessels, semen measurement, evaluation and processing apparatus, semen dispensing instruments, semen dispensing catheters, embryo collection instruments, embryo storage and transfer containers, and other animal husbandry equipment, namely, breeding saddles | N/A | PENDING | |

Exhibit A-11

| TRADEMARK | COUNTRY | APP. No. | FILING DATE | Reg. No. | REG DATE | GOODS/SERVICES | DATE OF FIRST USE | STATUS | Notes |
|-----------|-------------------------------|----------|-------------|----------|----------|---|-------------------|---------|---|
| MOFA | Madrid Protocol: Australia | | 05/20/13 | | | <p>01 Int.: Culture, storage and dilution media for maintaining the life and maximizing the viability of animal semen, oocytes, embryos, stem cells and other biological cells</p> <p>05 Int.: Culture, storage and dilution media for maintaining the life and maximizing the viability of semen, oocytes, embryos, stem cells and other biological cells; semen extender and storage media used in the artificial insemination process; animal semen; biological tissue, namely, stem cells, gametes and embryos for medical or clinical use; living animal organs, namely, hearts, lungs, pancreas, kidneys, livers, skin, and uterus for medical or clinical use as surgical implants and transplants</p> <p>09 Int.: Microfluidic devices, namely, microchannels with and without cross-channels, microchambers, microreactors, filters, columns, mixers, suction ports, separators, valves and pumps, used to store, handle, fertilize, evaluate, culture and identify oocytes and embryos for use in artificial reproduction; general laboratory equipment, namely, microscopes, pipettors, water baths, peristaltic pumps, balances, thermometers, photometers and laboratory ovens; computer software used to analyze, evaluate and store images of sperm cells, oocytes, embryos and other biological cells</p> <p>10 Int.: Equipment for the collection, processing, packaging and preservation of animal semen; embryo and oocyte recovery, comprising of filters, fluid flow control mechanisms and searching and culture dishes; equipment used in the embryo transfer process for pigs, cattle, horses, dogs, sheep, goats and other animals; equipment for the artificial insemination and fertilization of pigs, cattle, horses, dogs, sheep, goats and other animals, namely, semen collection and storage vessels, semen measurement, evaluation and processing apparatus, semen dispensing instruments, semen dispensing catheters, embryo collection instruments, embryo storage and transfer containers, and other animal husbandry equipment, namely, breeding saddles</p> | N/A | PENDING | Response to Notice of Irregularity due 11/28/13 - response filed 10/16/13; Approval issued 10/17/13 |
| | Madrid Protocol: China | | | | | | | PENDING | |

Exhibit A-12

| TRADEMARK | COUNTRY | APP. No. | FILING DATE | Reg. No. | REG DATE | GOODS/SERVICES | DATE OF FIRST USE | STATUS | Notes |
|-----------|--|----------|-------------|----------|----------|--|-------------------|------------|---|
| | Madrid Protocol: European Union | | | | | | | PENDING | |
| | Madrid Protocol: New Zealand | | | | | | | PENDING | |
| | Madrid Protocol: Russian Federation | | | | | | | PENDING | |
| MOFA | Mexico | 1377377 | 05/28/13 | | | 01 Int.: Culture, storage and dilution media for maintaining the life and maximizing the viability of animal semen, oocytes, embryos, stem cells and other biological cells | 2/13/2013 | PENDING | Office Action issued - answer due 11/13/13. |
| MOFA | Mexico | 1377378 | 05/28/13 | 1390744 | 8/16/13 | 05 Int.: Culture, storage and dilution media for maintaining the life and maximizing the viability of semen, oocytes, embryos, stem cells and other biological cells; semen extender and storage media used in the artificial insemination process; animal semen; biological tissue, namely, stem cells, gametes and embryos for medical or clinical use; living animal organs, namely, hearts, lungs, pancreas, kidneys, livers, skin, and uterus for medical or clinical use as surgical implants and transplants | 2/13/2013 | REGISTERED | |
| MOFA | Mexico | 1377379 | 05/28/13 | | | 09 Int.: Microfluidic devices, namely, microchannels with and without cross-channels, microchambers, microreactors, filters, columns, mixers, suction ports, separators, valves and pumps, used to store, handle, fertilize, evaluate, culture and identify oocytes and embryos for use in artificial reproduction; general laboratory equipment, namely, microscopes, pipettors, water baths, peristaltic pumps, balances, thermometers, photometers and laboratory ovens; computer software used to analyze, evaluate and store images of sperm cells, oocytes, embryos and other biological cells | 2/13/2013 | PENDING | |

Exhibit A-13

| TRADEMARK | COUNTRY | APP. No. | FILING DATE | Reg. No. | REG DATE | GOODS/SERVICES | DATE OF FIRST USE | STATUS | Notes |
|-----------|---------------|------------|-------------|----------|----------|---|-------------------|---|-------|
| MOFA | Mexico | 1377380 | 05/28/13 | 1403391 | 10/14/13 | 10 Int.: Equipment for the collection, processing, packaging and preservation of animal semen; embryo and oocyte recovery, comprising of filters, fluid flow control mechanisms and searching and culture dishes; equipment used in the embryo transfer process for pigs, cattle, horses, dogs, sheep, goats and other animals; equipment for the artificial insemination and fertilization of pigs, cattle, horses, dogs, sheep, goats and other animals, namely, semen collection and storage vessels, semen measurement, evaluation and processing apparatus, semen dispensing instruments, semen dispensing catheters, embryo collection instruments, embryo storage and transfer containers, and other animal husbandry equipment, namely, breeding saddles | 2/13/2013 | REGISTERED | |
| MOFA | United States | 85/929,193 | 05/10/13 | | | 01 Int.: Culture, storage and dilution media for maintaining the life and maximizing the viability of animal semen, oocytes, embryos, stem cells and other biological cells 05 Int.: Culture, storage and dilution media for maintaining the life and maximizing the viability of semen, oocytes, embryos, stem cells and other biological cells; semen extender and storage media used in the artificial insemination process; animal semen; biological tissue, namely, stem cells, gametes and embryos for medical or clinical use; living animal organs, namely, hearts, lungs, pancreas, kidneys, livers, skin, and uterus for medical or clinical use as surgical implants and transplants 09 Int.: Microfluidic devices, namely, microchannels with and without cross-channels, microchambers, microreactors, filters, columns, mixers, suction ports, separators, valves and pumps, used to store, handle, fertilize, evaluate, culture and identify oocytes and embryos for use in artificial reproduction; general laboratory equipment, namely, microscopes, pipettors, water baths, peristaltic pumps, balances, thermometers, photometers and laboratory ovens; computer software used to analyze, evaluate and store images of sperm cells, oocytes, embryos and other biological cells 10 Int.: Equipment for the collection, processing, packaging and preservation of animal semen; embryo and oocyte recovery, comprising of filters, fluid flow control mechanisms and searching and culture dishes; equipment used in the embryo transfer process for pigs, cattle, horses, dogs, sheep, goats and other animals; equipment for the artificial insemination and fertilization of pigs, cattle, horses, dogs, sheep, goats and other animals, namely, semen collection and | 2/1/2013 | PENDING; FINAL REFUSAL office action issued based on recitation of goods. | |

Exhibit A-14


| TRADEMARK | COUNTRY | APP. No. | FILING DATE | Reg. No. | REG DATE | GOODS/SERVICES | DATE OF FIRST USE | STATUS | Notes |
|---|---------------|----------|-------------|----------|----------|---|-------------------|--------|-------------------------|
| | | | | | | storage vessels, semen measurement, evaluation and processing apparatus, semen dispensing instruments, semen dispensing catheters, embryo collection instruments, embryo storage and transfer containers, and other animal husbandry equipment, namely, breeding saddles | | | |
| MOFA (& Design)  | US common law | | | | | <p>01 Int.: Culture, storage and dilution media for maintaining the life and maximizing the viability of animal semen, oocytes, embryos, stem cells and other biological cells</p> <p>05 Int.: Culture, storage and dilution media for maintaining the life and maximizing the viability of semen, oocytes, embryos, stem cells and other biological cells; semen extender and storage media used in the artificial insemination process; animal semen; biological tissue, namely, stem cells, gametes and embryos for medical or clinical use; living animal organs, namely, hearts, lungs, pancreas, kidneys, livers, skin, and uterus for medical or clinical use as surgical implants and transplants</p> <p>09 Int.: Microfluidic devices, namely, microchannels with and without cross-channels, microchambers, microreactors, filters, columns, mixers, suction ports, separators, valves and pumps, used to store, handle, fertilize, evaluate, culture and identify oocytes and embryos for use in artificial reproduction; general laboratory equipment, namely, microscopes, pipettors, water baths, peristaltic pumps, balances, thermometers, photometers and laboratory ovens; computer software used to analyze, evaluate and store images of sperm cells, oocytes, embryos and other biological cells</p> <p>10 Int.: Equipment for the collection, processing, packaging and preservation of animal semen; embryo and oocyte recovery, comprising of filters, fluid flow control mechanisms and searching and culture dishes; equipment used in the embryo transfer process for pigs, cattle, horses, dogs, sheep, goats and other animals; equipment for the artificial insemination and fertilization of pigs, cattle, horses, dogs, sheep, goats and other animals, namely, semen collection and storage vessels, semen measurement, evaluation and processing apparatus, semen dispensing instruments, semen dispensing catheters, embryo collection instruments, embryo storage and transfer containers, and other animal husbandry equipment, namely, breeding saddles</p> | 02/01/2013 | | Unfiled common law mark |

Exhibit A-15

| TRADEMARK | COUNTRY | APP. No. | FILING DATE | Reg. No. | REG DATE | GOODS/SERVICES | DATE OF FIRST USE | STATUS | Notes |
|--------------|--------------------------|------------|-------------|-----------|----------|---|-------------------|------------|---|
| PRISM | US common law | | | | | Boar stud management software | 05/11/1998 | UNFILED | Unfiled common law mark |
| SANISHIELD | US common law | | | | | Protector for AI Sheaths | 05/27/2013 | UNFILED | Unfiled common law mark |
| SPERM VISION | Madrid Protocol: France | A0030974 | 07/25/12 | 1128738 | 7/25/12 | 09 Int.: Computer software used to analyze, evaluate and store images of sperm cells and semen. | N/A | REGISTERED | |
| | Madrid Protocol: Germany | | | | | | | | Refused in Germany on grounds of descriptiveness. |
| | Madrid Protocol: Spain | | | | | | | | |
| SPERM VISION | United States | 78/300,238 | 09/15/03 | 2,881,751 | 9/7/04 | 09 Int.: Computer software used to analyze, evaluate and store images of sperm cells and semen. | 6/19/2002 | REGISTERED | |

Exhibit A-16

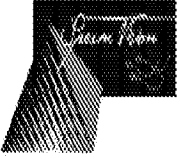
| TRADEMARK | COUNTRY | APP. No. | FILING DATE | Reg. No. | REG DATE | GOODS/SERVICES | DATE OF FIRST USE | STATUS | Notes |
|---|--|------------|-------------|------------------|-----------------------------------|--|-------------------|-------------------------|-------------------------|
| SPERM VISION (& Design)  | European Community: Austria, Bulgaria, Benelux, Cyprus, Czech Republic, Germany, Denmark, Estonia, Spain, Finland, France, United Kingdom, Greece, Hungary, Ireland, Italy, Lithuania, Latvia, Malta, Poland, Portugal, Romania, Sweden, Slovenia, Slovakia | 11070001 | 07/25/12 | 11070001 | 12/25/12 | 09 Int.: Scientific, nautical, surveying, photographic, cinematographic, optical, weighing, measuring, signalling, checking (supervision), life saving and teaching apparatus and instruments; apparatus and instruments for conducting, switching, transforming, accumulating, regulating or controlling electricity; apparatus for recording, transmission or reproduction of sound or images; magnetic data carriers, recording discs; automatic Wending machines and mechanisms for coin-operated apparatus; cash registers, calculating machines, data processing, equipment, computers, software; fire-extinguishing apparatus. 10 Int.: Surgical, medical, dental and veterinary apparatus and instruments. 42 Int.: Scientific and technological services and research and design relating thereto; industrial analysis and research services; design and development of computer hardware and software. | N/A | REGISTERED | Renewal Date: 9/17/14 |
| SPERMNOTES | United States | 75/299,274 | 05/28/97 | 2,139,883 | 2/24/98 Cancelled: 11/28/08 | 16 int.: PERIODIC NEWSLETTER ON THE SUBJECT OF ARTIFICIAL INSEMINATION AND BREEDING OF FARM ANIMALS | 1/22/1997 | Cancelled 11/28/2008 | |
| SPERMNOTES | United States | 78/370,402 | 02/19/04 | 2,925,421 | 2/8/05 | 16 Int.: Periodic newsletter on the subject of artificial insemination and breeding of farm animals. | 1/22/1997 | REGISTERED | |
| SPERMAQ-II | US common law | | | | | Photometer for semen analysis (concentration) | 08/19/2013 | UNFILED | Unfiled common law mark |
| SPS 11 | US common law | | | | | Boar semen packaging machine | 12/18/2008 | UNFILED | Unfiled common law mark |
| STERIYOLK | Wisconsin State | 32-90111 | | WI [No Reg. No.] | 6/5/96 | 42 Int.: Artificial insemination of farm animals | | REGISTERED | |
| VIpig | United States | 77/177,847 | 05/10/07 | 3,627,622 | 5/26/09 | 05 Int.: animal semen; biological tissue, namely stem cells, gametes and embryos for medical or clinical use; living animal organs, namely hearts, lungs, pancreas, kidneys, livers, skin, and uterus for medical or clinical use as surgical implants and transplants 31 Int.: animal embryos; live animals, namely, pigs | 2/16/2009 | REGISTERED | |

Exhibit A-17

066379-0003\14533942.2

Exhibit A-18