

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM333452

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
MOFA GROUP LLC		02/18/2015	LIMITED LIABILITY COMPANY: DELAWARE
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	JPMORGAN CHASE BANK		
<b>Street Address:</b>	10 S. Dearborn St.		
<b>City:</b>	Chicago		
<b>State/Country:</b>	ILLINOIS		
<b>Postal Code:</b>	60603		
<b>Entity Type:</b>	National Banking Association: UNITED STATES		
<b>PROPERTY NUMBERS Total: 16</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Serial Number:</b>	74703321	ANDROHEP	
<b>Serial Number:</b>	85654520	ANDROPRO	
<b>Serial Number:</b>	85929207	APX2	
<b>Serial Number:</b>	78758606	AUTOMATE	
<b>Serial Number:</b>	85944764	BOVIPRO	
<b>Serial Number:</b>	76363722	CRYOGUARD	
<b>Serial Number:</b>	85724108	CSP	
<b>Serial Number:</b>	76363723	ENDURAGUARD	
<b>Serial Number:</b>	76363724	EQUIPRO	
<b>Serial Number:</b>	74703323	MINIFLUSH	
<b>Serial Number:</b>	85929193	MOFA	
<b>Serial Number:</b>	78300238	SPERM VISION	
<b>Serial Number:</b>	77177847	VIPIG	
<b>Serial Number:</b>	85954645	US BAG	
<b>Serial Number:</b>	76456509	VITAECELL	
<b>Serial Number:</b>	76458700	VITAECELL	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>			

CH \$415.00 74703321

TRADEMARK

**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:** 414-298-1000  
**Email:** tmadmin@reinhardtllaw.com  
**Correspondent Name:** Daniel E. Kattman  
**Address Line 1:** 1000 N Water St.  
**Address Line 2:** Suite 1900  
**Address Line 4:** Milwaukee, WISCONSIN 53202

**ATTORNEY DOCKET NUMBER:** 049362-0002

**NAME OF SUBMITTER:** Daniel E. Kattman

**SIGNATURE:** /dek/

**DATE SIGNED:** 02/26/2015

**Total Attachments: 41**

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## AMENDED AND RESTATED NOTICE OF SECURITY INTEREST IN TRADEMARKS

THIS AMENDED AND RESTATED NOTICE OF SECURITY INTEREST IN TRADEMARKS is by and between MOFA GROUP LLC, a Delaware limited liability company (the "Company") and JPMORGAN CHASE BANK, N.A., as Administrative Agent under the Security Agreement referred to below (the "Administrative Agent").

The parties acknowledge the following:

A. The Company has executed an Amended and Restated Pledge and Security Agreement dated as of February 18, 2015, as amended to date (as so amended and as further amended, restated or otherwise modified in accordance with its terms, the "Security Agreement"), in favor of the the Administrative Agent.

B. The Company has adopted, used and are using the trademarks (the "Trademarks") listed on Exhibit A attached hereto, which Trademarks are registered with the United States Patent and Trademark Office.

C. Pursuant to the Security Agreement, the Company has granted to the Administrative Agent a security interest in and to all of its Trademarks, service marks, applications therefor and associated goodwill therein, now owned or from time to time after the date hereof owned or acquired by the Company, and in and to all proceeds and benefits thereof.

D. This Amended and Restated Notice of Security Interest in Trademarks amends and restates that certain Notice of Security Interest in Trademarks by and between the Company and the Administrative Agent dated as of February 28, 2014.

[Signature page follows.]

Dated as of February 18, 2015.

MOFA GROUP LLC

By: David E. Mellinger  
Name: David E. Mellinger  
Title: Treasurer

Address:

419 Venture Court  
Verona, WI 53593

JPMORGAN CHASE BANK, N.A., as  
Administrative Agent

By: \_\_\_\_\_  
Name: Barbara Rajchel  
Title: Authorized Officer

Address:

10 S. Dearborn St.  
Chicago, IL 60603

*Signature page to A&R Notice of Security Interests in Trademarks (MOFA)*

**TRADEMARK**

**REEL: 005467 FRAME: 0556**

Dated as of February 18, 2015.

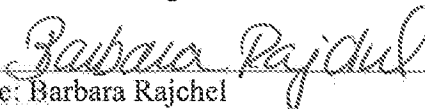
MOFA GROUP LLC

By: \_\_\_\_\_  
Name: David E. Mellinger  
Title: Treasurer

Address:

419 Venture Court  
Verona, WI 53593

JPMORGAN CHASE BANK, N.A., as  
Administrative Agent

By:   
Name: Barbara Rajchel  
Title: Authorized Officer

Address:

10 S. Dearborn St.  
Chicago, IL 60603

## EXHIBIT A

## EXHIBIT A

## TRADEMARKS

TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
AC	US common law					Artificial insemination products for livestock		UNFILED	Co-owned under the Settlement Agreement with MTL
AM	US common law							UNFILED	Transferred in Settlement Agreement with MTL
ANDROHEP	Canada	820,610	8/15/96	TMA492, 494	04/07/98 Renewed 4/17/2013	(1) SEMEN EXTENDER, NAMELY SEMEN DILUTING AND STORAGE PREPARATION USED IN THE ARTIFICIAL INSEMINATION PROCESS FOR LONG-TERM STORAGE OF SEMEN OF PIGS, CATTLE, HORSES AND OTHER ANIMALS (2) SEMEN EXTENDER AND STORAGE MEDIUM USED IN THE ARTIFICIAL INSEMINATION PROCESS FOR LONG-TERM STORAGE OF THE SEMEN OF PIGS, CATTLE, HORSES AND OTHER ANIMALS	11/15/1993	Registered	Mark was to be co-owned by Mofa Group and Minutube International, Co-Ownership not possible in Canada. Mark is owned by Mofa Group and to be licensed to MTL.

TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
ANDROHEP	United States	74/703,321	07/19/95	2,033,439	1/28/97 Renewed 1/28/2007	05 Int.: SEMEN EXTENDER AND STORAGE MEDIUM USED IN THE ARTIFICIAL INSEMINATION PROCESS FOR LONG TERM STORAGE OF THE SEMEN OF PIGS, CATTLE, HORSES AND OTHER ANIMALS	2/12/1989	Registered	Mark co-owned By MOFA GROUP, LLC & Minitube International AG
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



TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
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
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	N/A	PENDING	Published 10/8/13

TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
APX2	Canada	1,627,594	05/21/13			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	

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

TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
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	
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	

TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
AUTOMATE	Canada	1,280,498	11/22/05	TMA689, 031	06/05/07	equipment for the collection of boar semen	5/15/2007	Registered	
AUTOMATE	European Community		10/07/2005	004676086	08/24/2006	10 Veterinary instruments and apparatus, devices for animals, bandages, collecting basins and hoses, urological apparatus and instruments (all for veterinary purposes).		Registered	
AUTOMATE	Mexico	757776	12/20/05	922130	02/27/06	10 Int.: Equipment for the collection of boar semen	N/A	Registered	
AUTOMATE	United States	78/758,606	11/21/05	3,250,053	06/05/07	10 Int.: Equipment for the collection of boar semen	5/30/2006	Registered	

TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
BBH7	US common law							UNFILED	Transferred in Settlement Agreement with MTI
BOVIPRO	United States	85/944,764	05/29/13	4,455,027	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 infringe ment 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			

TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
BOVIPRO	Canada	16151370	11/12/13			biological cells for medical and veterinary use; semen extender and storage media used in the artificial insemination process for medical and veterinary use		PENDING	
CAPRIPRO	United States					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	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
CELLGUARD	US common law							UNFILED	Transferred in Settlement

TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
CHILL 10	US common law							UNFILED	Transferred in Settlement Agreement with MTI
CHILLGUARD	US common law							UNFILED	Transferred in Settlement Agreement with MTI
COOLGUARD	US common law					Enhancement to different semen extenders (e.g. BovPro, EquiPro)	06/27/2013	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								



TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
	European Community: Germany								
	European Community: Denmark								
	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								

TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
	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	
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
CSP	Brazil	840329857	11/13/12			05 Int.: Culture, storage and dilution medium for maintaining the life and maximizing the viability of animal semen, oocytes, embryos, stem cells and other biological cells	N/A	Pending	
CSP	Canada	1,596,006	09/27/12	866849		05 Int.: Culture, storage and dilution medium for maintaining the life and maximizing the viability of animal semen, oocytes, embryos, stem cells and other biological cells	ITU	Registered	
CSP	Madrid Protocol: Australia	A0032089	10/02/12	1138428	10/02/12	05 Int.: Culture, storage and dilution medium for maintaining the life and maximizing the viability of animal semen, oocytes, embryos, stem cells and other biological cells	N/A	International registration issued-subject to refusals from each country	
	Madrid Protocol: China							Granted	
	Madrid Protocol: European Union							International registration issued-subject to refusals from each	

TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
								country	
	Madrid Protocol: Russian Federation							International registration issued -subject to refusals from each country	
CSP	Mexico	1314853	10/05/12			01 Int: culture and dilution medium, namely semen extenders and preparations for use by veterinarians and breeders		Pending, Filed in Class 5 but refused based on confusing with existing CSPC mark on May 15 2013. A reasons writ was filed and app was refilled in Class 1.	
CSP	United States	85/724,108	09/08/12	4,429,815	11/05/13	05 Int.: Culture, storage and dilution medium for maintaining the life and maximizing the viability of animal semen, oocytes, embryos, stem cells and other biological cells		Registered	
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	

TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
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	920335	07/18/02	920335	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 6/14/13
FLEX H	US common law							UNFILED	Transferred in Settlement Agreement with MTI
FLEXITUBE	US common law					Artificial insemination products for livestock		UNFILED	Co-owned under the Settlement Agreement with MTI

TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
FOAMTIP	US common law					Artificial insemination products for livestock		UNFILED	Co-owned under the Settlement Agreement with MTI
HERDVISION	US common law					Embryo transfer management software	12/24/2009	UNFILED	Unfiled common law mark
IVANTAGE	US common law							UNFILED	Transferred in Settlement Agreement with MTI
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	
MINILUBE	US common law							UNFILED	Transferred in Settlement Agreement with MTI
MOFA	Argentina	3249885	05/29/13			01 Int.: Culture, storage and dilution media for maintaining the life and maximizing the	N/A	PENDING	Priority document filed,

TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
MOFA	Argentina	3249884	05/29/13			viability of animal semen, oocytes, embryos, stem cells and other biological cells			awaiting publication
MOFA	Argentina	3249882	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,	N/A	PENDING	Published 9/4/13

TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
MOFA	Argentina	3249883	05/29/13			embryos and other biological cells			
MOFA	Brazil	840527292	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	N/A	PENDING	Published 9/4/13
MOFA						01 Int.: Culture, storage and dilution media for maintaining the life and maximizing the viability of animal semen.	N/A	PENDING	Published 10/8/13

TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
MOFA	Brazil	840527214	05/27/13			oocytes, embryos, stem cells and other biological cells			
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,	N/A	PENDING	Published 10/8/13



TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
MOFA	Brazil	840527349	05/27/13			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 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

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</p>	N/A	PENDING	

TRADEMARK	COUNTRY	APP. No.	FILEING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
						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 storage vessels, semen measurement, evaluation and processing apparatus, semen dispensing instruments, semen collection instruments, embryo storage and transfer containers, and other animal husbandry equipment, namely, breeding saddles			
MOFA	Chile	1060947	06/05/13			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	

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	

TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
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	

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			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	N/A	PENDING	Response to Notice of Irregularity due 11/28/13 - response filed 10/16/13; Approval issued 10/17/13

TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
						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 storage vessels, semen measurement, evaluation and processing apparatus, semen dispensing instruments, semen collection instruments, embryo storage and transfer containers, and other animal husbandry equipment, namely, breeding saddles		PENDING	
	Madrid Protocol: China							PENDING	
	Madrid Protocol: European Union							PENDING	


TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
	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 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	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	



TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
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	
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	2/13/2013	REGISTERED	

TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
MOFA	United States	85/929,193	05/10/13	4,566,490	5/15/2014	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,	2/1/2013	PENDING; FINAL REFUSAL office action issued based on recitation of goods.	

TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
						<p>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</p>			

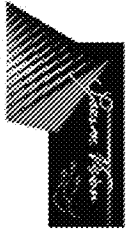
TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
MOFA (& Design) 	US common law					equipment, namely, breeding saddles [01 Int.: Culture, storage and dilution media for maintaining the life and maximizing the viability of animal semen, oocytes, embryos, 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,	02/01/2013		Unfiled common law mark

TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
						<p>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 collection catheters, embryo storage and transfer containers, and other animal husbandry equipment, namely, breeding saddles</p>			

TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
PEGASUS	US common law							UNFILED	Transferred in Settlement Agreement with MTI
PM (as a modifier to the name of a medium)	US common law							UNFILED	Transferred in Settlement Agreement with MTI
POLYGLIDE	US common law							UNFILED	Transferred in Settlement Agreement with MTI
PORCIPRO	US common law							UNFILED	Transferred in Settlement Agreement with MTI

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	06/11/1998	UNFILED	Unfiled common law mark
QUICKTIP	US common law					Artificial insemination products for livestock		UNFILED	Co-owned under the Settlement Agreement with MTI
SANSHIELD	US common law					Protector for AI Sheaths	06/27/2013	UNFILED	Unfiled common law mark
SEMSEP	US common law							UNFILED	Transferred in Settlement Agreement with MTI
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	Refused in Germany on grounds of descriptive

TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
									ness.
	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	
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.	N/A	REGISTERED	Renewal Date: 9/17/14





TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
						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.			
SPERMAQ-II	US common law					Photometer for semen analysis (concentration)	08/19/2013	UNFILED	Unfiled common law mark
SPERMVISION SAR	US common law							UNFILED	Transferred in Settlement Agreement with MTI
SPERMVISION THER 10	US common law							UNFILED	Transferred in Settlement Agreement with MTI
SPS 11	US common law					Boar semen packaging machine	12/18/2008	UNFILED	Unfiled common law mark
SPS11 DC	US common law							UNFILED	Transferred in Settlement Agreement with MTI

TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
SP5 21	US common law							UNFILED	Transferred in Settlement Agreement with MTI
STERIYOLK	Wisconsin State	32-90111		WI [No Reg. No.]	6/5/96	42 Int.: Artificial insemination of farm animals		REGISTERED	
TCl CATHETER	US common law							UNFILED	Transferred in Settlement Agreement with MTI
TCl ENDOSCOPE	US common law							UNFILED	Transferred in Settlement Agreement with MTI
TWISTIP UNIFLEX	US common law							UNFILED	Transferred in Settlement Agreement with MTI
ULTRASEAL	US common law							UNFILED	Transferred in Settlement Agreement with MTI

TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
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	2/16/2009	REGISTERED	
US BAG	United States	85/954,645	06/09/13	4,494,111	3/11/2014	31 Int.: animal embryos; live animals, namely, pigs 10: Equipment for the artificial insemination and fertilization of animals, namely, equipment for the collection, processing, storage and preservation of animal semen.	12/00/97	Published 12/24/2013	
US BAG	Brazil					10: Equipment for the artificial insemination and fertilization of animals, namely, bags used to collect, filter, process, store, transport, preserve and dispense animal semen			
US BAG	Canada		11/12/13			Equipment for the artificial insemination and fertilization of animals, namely, bags used to collect, filter, process, store, transport, preserve and dispense animal semen		Filed	
VITAECCELL	United States	76456509	10/8/2002	3032625	12/20/2005	IC 009. US 021 023 026 036 038. G & S: microfluidic devices, namely, microchannels with and without cross-channels, microchambers, microreactors, filters, columns, mixers, suction ports, separators, valves and	FIRST USE: 20021000. FIRST USE IN COMMER CE: 20021000		

TRADEMARK	COUNTRY	APP. No.	FILING DATE	Reg. No.	REG DATE	GOODS/SERVICES	DATE OF FIRST USE	STATUS	Notes
VITAECELL & Design	United States	76458700	10/17/2002	3029707	12/13/2005	pumps, used to store, handle, fertilize, evaluate, culture and identify human oocytes and embryos for use in human reproduction.	FIRST USE: 20021000. IN FIRST USE COMMERCIAL: 20021000		