

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2754179

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY AGREEMENT
CONVEYING PARTY DATA	
Name	Execution Date
MOFA GROUP LLC	02/28/2014
RECEIVING PARTY DATA	
Name:	MINITUBE OF AMERICA, INC.
Street Address:	419 VENTURE COURT
City:	VERONA
State/Country:	WISCONSIN
Postal Code:	53593
PROPERTY NUMBERS Total: 14	
Property Type	Number
Application Number:	61656465
Application Number:	13911618
Application Number:	61583977
Application Number:	61673197
Application Number:	61673715
Application Number:	60821044
Application Number:	61013901
Application Number:	12747988
Patent Number:	7718124
Patent Number:	6527703
Patent Number:	5505716
Patent Number:	5671667
Patent Number:	6849394
Application Number:	10685953
CORRESPONDENCE DATA	

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066379-9005

NAME OF SUBMITTER:

JEFFREY D. PETERSON

Signature:

/jeffrey d. peterson/

Date:

03/05/2014

Total Attachments: 10

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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 PATENTS

THIS NOTICE OF SECURITY INTEREST IN PATENTS 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 patents and patent applications (the "**Patents**") listed on Exhibit A attached hereto. Certain of the Patents are registered with the United States Patent and Trademark Office;

C. Debtor has granted to the Lender a security interest in the Patents 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 Patents, 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 Patents 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 Patents]

IN WITNESS WHEREOF, the undersigned have executed this Notice of Security Interest in Patents 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.

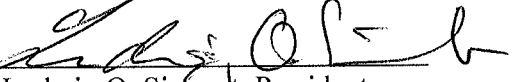
By: _____
Ludwig O. Simmet, President

EXHIBIT A

PATENTS

Patent #	Title	File Date	Status	Issue Date
61/656,465 US Application	Multi-Compartment Container for Biological Fluids	6/6/12	Formalized	
U.S. Patent Application No. 13/911,618	Multi-Compartment Container for Biological Fluids	6/6/13	Pending Published: US2013/0345497	
PCT application No. US2013/44517	Multi-Compartment Container for Biological Fluids	6/6/13	Pending - No National Stage applications yet Published: WO2013/184919	
U.S. Patent Application No. 61/583977	Gender-specific Identification of Sperm Cells and Embryos Using Locked Nucleic Acids	1/6/12	Formalized as PCT (PCT Application No. PCT/US2013/020139)	n/a
U.S. Patent Application No. 61/673197	Gender-specific Identification of Sperm Cells and Embryos Using Locked Nucleic Acids	7/18/12	Formalized as PCT (PCT Application No. PCT/US2013/020139)	n/a
U.S. Patent Application No. 61/673715	Gender-specific Identification of Sperm Cells and Embryos Using Locked Nucleic Acids	7/19/12	Formalized as PCT (PCT Application No. PCT/US2013/020139)	n/a
PCT Application No.	Gender-specific Identification of Sperm	1/3/13	Pending, no national state filings	n/a

Exhibit A-1

Patent #	Title	File Date	Status	Issue Date
PCT/US2013/020139	Cells and Embryos Using Locked Nucleic Acids		yet Published: WO2013/103713	
Argentine Patent Application No. P130100045	Gender-specific Identification of Sperm Cells and Embryos Using Locked Nucleic Acids	1/4/13	Pending	n/a
U.S. Patent Application No. 60/821,044	Reproductive Cell Media Composition and Methods for Improving Fertility	8/1/06	Formalized as PCT Application No. PCT/US2007/07493	n/a
PCT Application No. PCT/US2007/074935	Reproductive Cell Media Composition and Methods for Improving Fertility	8/1/07	No national stage applications	n/a
U.S. Patent Application No. 61/013901	Gender-specific Separation Of Sperm Cells And Embryos	12/14/07	Formalized as PCT Application No. PCT/US2008/086833	n/a
U.S. Patent Application No. 12/747988	Gender-specific Separation Of Sperm Cells And Embryos	6/30/10	National Stage of PCT/US2008/086833 Pending Published: US2013/11059	n/a
PCT Application No. PCT/US2008/086833	Gender-specific Separation Of Sperm Cells And Embryos	12/15/08	Nationalized in U.S. (U.S. Serial No. 12/747988) Published: WO2009/079456	n/a

Exhibit A-2

Patent #	Title	File Date	Status	Issue Date
Australian Patent Application No. 2008338530	Gender-specific Separation Of Sperm Cells And Embryos	6/7/2010	National Stage of PCT/US2008/086833 Abandoned	n/a
Brazilian Patent Application No. PI0820738-0	Gender-specific Separation Of Sperm Cells And Embryos	6/11/2010	National Stage of PCT/US2008/086833 Abandoned	n/a
Canadian Patent Application No. 2708751	Gender-specific Separation Of Sperm Cells And Embryos	6/9/2010	National Stage of PCT/US2008/086833 Abandoned	n/a
European Patent Application No. 08861734.5	Gender-specific Separation Of Sperm Cells And Embryos	7/7/2010	National Stage of PCT/US2008/086833 Abandoned	n/a
Indian Patent Application No. 2112/KOLNP/2010	Gender-specific Separation Of Sperm Cells And Embryos	6/9/2010	National Stage of PCT/US2008/086833 Abandoned	n/a
U.S. Patent No. 7,718,124 (US)	Cover for Counting, Viability Assessment, Analysis and Manipulation Chamber	6/2/05	Issued	5/18/10
PCT Application No. PCT/US06/21329 (WO2006130790)	Cover for Counting, Viability Assessment, Analysis and Manipulation Chamber	6/1/06	Nationalized in EP	n/a

Exhibit A-3

Patent #	Title	File Date	Status	Issue Date
Austria Patent No. 483179	Cover for Counting, Viability Assessment, Analysis and Manipulation Chamber	6/1/06	Terminated	n/a
European Patent No. 1886177	Cover for Counting, Viability Assessment, Analysis and Manipulation Chamber	6/1/06	Issued - validated in France, Germany and the Netherlands	9/29/10
U.S. Patent No. 6,527,703	Device for Sow Intra-Uterine Insemination and Embryo Transfer	6/14/01	Issued	3/4/03
PCT Application No. PCT/US02/04889 (WO02102272)	Device for Sow Intra-Uterine Insemination and Embryo Transfer	2/20/02	Nationalized	n/a
Austrian Patent Application No. AT300251T	Device for Sow Intra-Uterine Insemination and Embryo Transfer		National Stage of WO0210227 Abandoned	n/a
Brazilian Patent Application No. BR0210389B1	Device for Sow Intra-Uterine Insemination and Embryo Transfer		National Stage of WO0210227 Abandoned	10/19/2010
Canadian Patent Application No. CA2449991	Device for Sow Intra-Uterine Insemination and Embryo Transfer		National Stage of WO0210227 Abandoned	
Denmark Patent Application No. DK1395198T3	Device for Sow Intra-Uterine Insemination and Embryo Transfer	2/20/02	Validation of EP Patent No. 1395198 Lapsed	7/27/05

Exhibit A-4

Patent #	Title	File Date	Status	Issue Date
German Patent Application No. DE60205250	Device for Sow Intra-Uterine Insemination and Embryo Transfer	2/20/02	Validation of EP Patent No. 1395198	3/30/2006
European Patent No. 1395198	Device for Sow Intra-Uterine Insemination and Embryo Transfer	2/20/02	Issued - validated in Denmark, Spain, Great Britain, Italy, France, Germany, and the Netherlands. Lapsed in Denmark, Spain, Great Britain and Italy In force in France, Germany and the Netherlands	7/27/05
Mexican Patent No. MX248242	Device for Sow Intra-Uterine Insemination and Embryo Transfer	2/20/02	Issued Lapsed in Denmark, Spain, Great Britain and Italy	8/21/07
Polish Patent Application No.	Device for Sow Intra-Uterine Insemination and Embryo Transfer		National Stage of WO0210227 Abandoned	
Spanish Patent Application No. ES2247318(T3)	Device for Sow Intra-Uterine Insemination and Embryo Transfer	2/20/02	Validation of EP Patent No. 1395198 Lapsed	7/27/05
U.S. Patent No. 5,505,716	Embryo Collector	2/2/93	Issued	4/9/96
U.S. Patent No. 5,671,667	Multi-Line Straw Printer	4/10/96	Issued	9/30/97

Exhibit A-5

Patent #	Title	File Date	Status	Issue Date
European Patent No. EP0798118B1	Multi-Line Straw Printer	4/10/97	Issued – validated in France and Germany Lapsed in France and Germany	3/6/2002
German Patent No. DE69710796T2	Multi-Line Straw Printer	4/10/97	Validation of EP Patent No. EP0798118B1 Lapsed	8/14/2002
U.S. Patent No. 6,849,394	Compositions Comprising Reproductive Cell Media and Methods for Using Such Compositions	2/21/02	Issued	2/1/05
U.S. Patent Application No. 10/685953	Compositions Comprising Reproductive Cell Media and Methods for Using Such Compositions	10/15/2003	Divisional of U.S. Patent No. 6,849,394 Abandoned	n/a
PCT Application No. PCT/US2003/004258	Compositions Comprising Reproductive Cell Media and Methods for Using Such Compositions	2/11/03	National Stage Application filed in EP (abandoned)	n/a
European Patent Application No. EP1482788	Compositions Comprising Reproductive Cell Media and Methods for Using Such		National Stage of PCT/US2003/004258 Abandoned	n/a

Exhibit A-6

Patent #	Title	File Date	Status	Issue Date
	Compositions			
U.S. Patent Application No. 60/821044	CELL MEDIA COMPOSITIONS	8/1/2006	Formalized as PCT/US2007/074935	n/a
PCT Application No. PCT/US2007/074935	CELL MEDIA COMPOSITIONS	8/1/2007	No National Stage Applications filed	n/a

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Exhibit A-7