

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5510293

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
BARB A. COHEN		05/01/2019
RECEIVING PARTY DATA		
Name:	AREX LIFE SCIENCES, LLC	
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City:	WATERTOWN	
State/Country:	MASSACHUSETTS	
Postal Code:	02472	
PROPERTY NUMBERS Total: 14		
Property Type	Number	
Patent Number:	9383369	
Application Number:	61040798	
Application Number:	61040717	
Application Number:	13436701	
Application Number:	15185720	
Application Number:	62446455	
Application Number:	61794559	
Application Number:	14777407	
Application Number:	61955938	
Application Number:	62678205	
PCT Number:	US2009039022	
PCT Number:	US2010050881	
PCT Number:	US2018013898	
PCT Number:	US2014023364	
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PATENT		

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ATTORNEY DOCKET NUMBER:	ARX00001G
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NAME OF SUBMITTER:	JOY WHITNEY
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SIGNATURE:	/joy whitney/
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DATE SIGNED:	05/07/2019
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Total Attachments: 5

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ASSIGNMENT

THIS ASSIGNMENT, is made this 1st day of MAY, 2019 ("Effective Date"), between BARB A. COHEN, ("Assignor"), with an address at 125 Coolidge Avenue, #803, Watertown, Massachusetts, 024722, United States of America; and AREX LIFE SCIENCES, LLC, a Delaware limited liability company ("Assignee"), with an address at 125 Coolidge Avenue, #803, Watertown, Massachusetts, 024722, United States of America;

AND WHEREAS, BARB A. COHEN, ("Assignor"), is the owner of patent applications and patents listed on SCHEDULE A;

AND WHEREAS, AREX LIFE SCIENCES, LLC, ("Assignee"), is desirous of acquiring the entire right, title and interest in and to said applications and patents listed on SCHEDULE A; the inventions therein disclosed and in and to all priority rights and any letters patent that may be obtained therefore and thereon;

NOW, THEREFORE, with good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor(s) hereby sell, assign, transfer and set over unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and applications listed on SCHEDULE A, including the right to collect damages for past acts of infringement, including all priority rights and the right to claim priority, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application and any application claiming priority therefrom, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended.

And for the same consideration, Assignor(s) hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions on SCHEDULE A, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions on SCHEDULE A, or said Utility application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

Furthermore, Assignor(s) hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to

comply with the rules of the United States Patent and Trademark Office or other Patent Office for recordation of this document:

AREX LIFE SCIENCES, LLC, and practitioners associated with United States Patent Office Customer Number 23413.

This Assignment shall be construed in accordance with the laws of the state of Delaware, United States of America.

AND Assignor(s) acknowledges an obligation of assignment of these inventions, applications and patents on SCHEDULE A, and all priority rights related thereto, to Assignee at the time the inventions were made.

IN WITNESS WHEREOF, the Assignor and Assignee, by its duly authorized officer, respectively, does hereby set its hand and seal as of the Effective Date.

BARB A. COHEN (Assignor)

IN TESTIMONY WHEREOF, I hereunto set my hand this 1st day of MAY, 2019.


Assignor Signature

BARB A. COHEN
Type or Print Name

WITNESS

On this 2nd day of MAY, 2019, before me personally appeared BARB A. COHEN, personally known to me, and acknowledged the execution of the foregoing assignment as his/her free act and deed for the purpose herein set forth.


Signature of Witness

RONALD PARKINSON
Type or Print Name

AREX LIFE SCIENCES, LLC (Assignee)

IN TESTIMONY WHEREOF, I hereunto set my hand this 1st day of May, 2019

Barb A. Cohen CEO
Assignee Signature and Title

Barb A. Cohen
Type or Print Name

WITNESS

On this 2ND day of MAY, 2019, before me personally appeared Barb A. Cohen, personally known to me, and acknowledged the execution of the foregoing assignment as his/her free act and deed for the purpose herein set forth.

[Signature]
Signature of Witness

PHILLIP E. TEMPLES
Type or Print Name

SCHEDULE A

Case No.	Title	Status	Country	App No.	Date Filed	Issue No.	Issue Date
ARX0001CA (100)	REAL TIME MULTIPOINT ASSAY FOR OPTIMIZING PERFORMANCE	Published	Canada	2772889	3/30/2012		
ARX0001PCT (100)	ASSAY FOR SEMEN OPTIMIZATION	National Phase Completed	PCT	PCT/US09/039022	3/31/2009		
ARX0001PCT2 (100)	METHODS FOR IMPROVING FERTILITY AND SELECTIVITY FOR DESIRED OFFSPRING SEX IN ARTIFICIAL INSEMINATION	National Phase Completed	PCT	PCT/US10/050881	9/30/2010		
ARX0001US (100)	ASSAY FOR PROCESS CONTROL IN SEMEN PREPARATION	Expired	United States of America	61/040798	3/31/2008		
ARX0001US2 (100)	METHODS FOR IMPROVING FERTILITY AND SELECTIVITY FOR DESIRED OFFSPRING SEX IN ARTIFICIAL INSEMINATION	Abandoned	United States of America	61/040717	3/31/2008		
ARX0001USP (100)	METHODS FOR IMPROVING FERTILITY AND SELECTIVITY FOR DESIRED OFFSPRING SEX IN ARTIFICIAL INSEMINATION	Registered	United States of America	12/571361	9/30/2009	9383369	7/5/2016
ARX0001USP2 (100)	REAL TIME MULTIPOINT ASSAY FOR OPTIMIZING PERFORMANCE	Pending	United States of America	13/436701	3/30/2012		
ARX0001USPD (100)	METHODS FOR IMPROVING FERTILITY AND SELECTIVITY FOR DESIRED OFFSPRING SEX IN ARTIFICIAL INSEMINATION	Published	United States of America	15/185720	6/17/2016		
ARX0002US (104)	MAGNETIC BEAD REAGENT	Expired	United States of America	61/492754	6/2/2011		
ARX0003PCT (101)	DEVICE FOR OPTIMIZING SPERM QUALITY	National Phase Completed	PCT	PCT/US09/038134	3/24/2009		
ARX0003US (101)	METHODS FOR IMPROVING FERTILITY AND SELECTIVITY FOR DESIRED OFFSPRING SEX IN ARTIFICIAL INSEMINATION	Expired	United States of America	61/040652	3/29/2008		
ARX0004PCT (105)	METHODS FOR IMPROVING FERTILITY IN ARTIFICIAL INSEMINATION	Published	PCT	PCT/US18/013898	1/16/2018		
ARX0004US (105)	METHODS FOR IMPROVING FERTILITY IN ARTIFICIAL INSEMINATION	Expired	United States of America	62/446455	1/15/2017		
ARX0006CA	RAPID REAL TIME MULTIPOINT PROCEDURE FOR OPTIMIZING SPERM STATE FOR USE IN ASSISTED REPRODUCTIVE TECHNOLOGIES	Published	Canada	2905747	3/11/2014		

Case No.	Title	Status	Country	App No.	Date Filed	Issue No.	Issue Date
ARX0006EP	RAPID REAL TIME MULTIPOINT PROCEDURE FOR OPTIMIZING SPERM STATE FOR USE IN ASSISTED REPRODUCTIVE TECHNOLOGIES	Published	European Patent Office	14768542.4	3/11/2014		
ARX0006PCT	RAPID REAL TIME MULTIPOINT PROCEDURE FOR OPTIMIZING SPERM STATE FOR USE IN ASSISTED REPRODUCTIVE TECHNOLOGIES	National Phase Completed	PCT	PCT/US14/023364	3/11/2014		
ARX0006US	RAPID REAL TIME MULTIPOINT PROCEDURE FOR OPTIMIZING SPERM STATE FOR USE IN ASSISTED REPRODUCTIVE TECHNOLOGIES	Expired	United States of America	61/794559	3/15/2013		
ARX0006US2	RAPID REAL TIME MULTIPOINT PROCEDURE FOR OPTIMIZING SPERM STATE FOR USE IN ASSISTED REPRODUCTIVE TECHNOLOGIES	Published	United States of America	14/777407	3/11/2014		
ARX0007US	PREPARATIONS OF DERIVED EXTRACELLULAR VESICLES, ASSAYS, AND METHODS TO MODIFY THERAPEUTIC OUTCOMES USING SUCH PREPARATIONS	Expired	United States of America	61/955938	3/20/2014		
ARX0008US	METHODS FOR DIAGNOSING FERTILITY OF EJACULATES FOR ARTIFICIAL INSEMINATION	Pending	United States of America	62/678205	5/30/2018		