

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM417063

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST

## CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
VIVEX BIOMEDICAL, INC.		02/21/2017	Corporation: DELAWARE
UMTB BIOMEDICAL, INC.		02/21/2017	Corporation: GEORGIA
ADVANCED NUMED TECHNOLOGIES, LTD.		02/21/2017	Corporation: OKLAHOMA
VIVEX BIOMEDICAL INTERNATIONAL, INC.		02/21/2017	Corporation: DELAWARE

## RECEIVING PARTY DATA

<b>Name:</b>	HERITAGE BANK OF COMMERCE
<b>Street Address:</b>	150 South Almaden Blvd.
<b>City:</b>	San Jose
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95113
<b>Entity Type:</b>	Corporation: CALIFORNIA

## PROPERTY NUMBERS Total: 24

Property Type	Number	Word Mark
Serial Number:	87212955	DERMREGENIX
Serial Number:	86530526	UMTB A VIVEX COMPANY
Serial Number:	86292319	PROAMNION
Serial Number:	86960102	CYGNUS MATRIX
Registration Number:	5027939	UMTB
Serial Number:	86720883	FENFLEX
Serial Number:	86531455	REVIVEX
Serial Number:	86526512	RE-VIVEX
Serial Number:	86526478	REVIVEX
Registration Number:	5018619	UMTB
Registration Number:	4993311	VIVEX POWERED BY UMTB
Registration Number:	4864577	UMTB FOUNDATION
Registration Number:	4856195	CYGNUS SOLO
Registration Number:	4841927	CYGNUS MAX
Registration Number:	4828573	VIA

OP \$615.00 87212955

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Property Type	Number	Word Mark
Registration Number:	4791366	VEGA
Registration Number:	4782743	JUPITER
Registration Number:	4744587	METIS
Registration Number:	4657612	CYGNUS
Registration Number:	4583374	VIVEX
Registration Number:	4537804	
Registration Number:	4536980	
Registration Number:	4549117	CALLISTO
Registration Number:	4486149	VIVEX

**CORRESPONDENCE DATA**

**Fax Number:** 6506440520

*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:** 6506483802

**Email:** patty@pattycheng.com

**Correspondent Name:** Patty Cheng

**Address Line 1:** 2625 MIDDLEFIELD ROAD, SUITE 215

**Address Line 4:** Palo Alto, CALIFORNIA 94306

<b>NAME OF SUBMITTER:</b>	Patty Cheng
<b>SIGNATURE:</b>	/s/ Patty Cheng
<b>DATE SIGNED:</b>	02/22/2017

**Total Attachments: 7**

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## INTELLECTUAL PROPERTY SECURITY AGREEMENT

THIS INTELLECTUAL PROPERTY SECURITY AGREEMENT is entered into as of February 21, 2017 by and between VIVEX BIOMEDICAL, INC., a Delaware corporation ("Parent"), UMTB BIOMEDICAL, INC., a Georgia corporation ("UMTB"), ADVANCED NUMED TECHNOLOGIES, LTD., an Oklahoma corporation ("Advanced NuMed"), VIVEX BIOMEDICAL INTERNATIONAL, INC., a Delaware corporation ("Vivex International"), and HERITAGE BANK OF COMMERCE, a California corporation ("Bank"). Parent, UMTB, Advanced NuMed and Vivex International are each referred to herein as a "Grantor" and collectively, as the "Grantors".

### RECITALS

Bank has agreed to make certain advances of money and to extend certain financial accommodations to Grantors in the amounts and manner set forth in that certain Loan and Security Agreement by and between Bank and Grantors (as amended from time to time, the "Loan Agreement") dated of even date herewith. Capitalized terms used herein have the meaning assigned in the Loan Agreement. Bank is willing to make the financial accommodations to Grantors, but only upon the condition, among others, that each Grantor grants to Bank a security interest in all of such Grantor's right title, and interest in, to and under all of the Collateral whether presently existing or hereafter acquired.

NOW, THEREFORE, each Grantor agrees as follows:

### AGREEMENT

To secure performance of Grantors' obligations under the Loan Agreement, each Grantor grants to Bank a security interest in all of such Grantor's right, title and interest in such Grantor's intellectual property (including without limitation those Copyrights, Patents and Trademarks listed on Exhibits A, B and C hereto), including without limitation all proceeds thereof (such as, by way of example but not by way of limitation, license royalties and proceeds of infringement suits). This security interest is granted in conjunction with the security interest granted to Bank under the Loan Agreement. Each right, power and remedy of Bank provided for herein or in the Loan Agreement shall not preclude the simultaneous or later exercise by Bank of any or all other rights, powers or remedies.

This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which together shall constitute the same instrument. In the event that any signature to this Agreement is delivered by facsimile transmission or by e-mail delivery of a ".pdf" format data file, such signature shall create a valid and binding obligation of the party executing (or on whose behalf such signature is executed) with the same force and effect as if such facsimile or ".pdf" signature page were an original thereof.

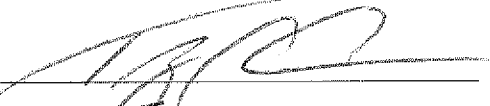
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IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed as of the first date written above.


Address of Grantors:

3200 Windy Hill Road SE  
Suite 1650, West Tower  
Atlanta, GA 30339  
Attn: Tracy Anderson


VIVEX BIOMEDICAL, INC.

By:   
Print Name: Tracy S. Anderson  
Title: President & CEO

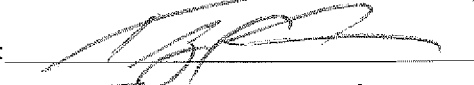
UMTB BIOMEDICAL, INC

By:   
Print Name: Tracy S. Anderson  
Title: President & CEO

ADVANCED NUMED TECHNOLOGIES, LTD.

By:   
Print Name: Tracy S. Anderson  
Title: President & CEO

VIVEX BIOMEDICAL INTERNATIONAL, INC.

By:   
Print Name: Tracy S. Anderson  
Title: President & CEO

Address of Bank:

150 South Almaden Blvd.  
San Jose, California 95113  
FAX: (408) 947-6910  
Attn: Mike Hansen/Jeffrey Javier

HERITAGE BANK OF COMMERCE


By:   
Print Name: JEFFREY JAVIER  
Title: SVP

EXHIBIT A

Copyrights

Please Check Box if No Copyrights Exist

<u>Name of Owner</u>	<u>Title</u>	<u>Registration Number</u>	<u>Registration Date</u>
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EXHIBIT B

Patents

Name of Owner	Title	Serial/ Patent Number	Application/ Issue Date
Parent	Cartilage material	9,433,702	Sep. 6, 2016
Parent	Treated neural tissue composition	9,402,869	Aug. 2, 2016
Parent	Bone induction system and methods	9,320,761	April 26, 2016
Parent	Fan folded fascia lata for cruciate ligament substitution and method and apparatus for making the same	9,314,330	April 19, 2016
Parent	Spinal implants with stem cells	9,289,312	Mar. 22, 2016
Parent	Bone graft	9,211,360	Dec. 15, 2015
Parent	Bone screw fastener	9,179,954	Nov. 10, 2015
Parent	Fenestrated bone graft	9,050,111	June 9, 2015
Parent	Radiopaque bone repair mixture and method of use	9,017,740	April 28, 2015
Parent	Bone implants and method of manufacture	9,015,922	April 28, 2015
Parent	Radiopaque bone repair mixture and method of use	8,962,044	Feb. 24, 2015
Parent	Cartilage material	8,940,698	Jan. 27, 2015
Parent	Cartilage material	8,940,692	
Parent	Composition of a bone repair mixture	8,936,816	Jan. 20, 2015
Parent	Spinal cord tissue dehydrated and micronized	8,916,339	Dec. 23, 2014
Parent	Bone implants and method of manufacture	8,864,839	Oct. 21, 2014
Parent	Cartilage material	8,791,071	July 29, 2014
Parent	Composition of a bone repair mixture	8,784,908	July 22, 2014
Parent	Vertebral body end-plate microparticulate composition and uses thereof	14/718796	May 21, 2015
Parent	Multilineage stem cells derived from the peripheral blood and uses thereof	14/706165	May 7, 2015
Parent	Placental tissue assembly	14/716131	May 19, 2015
Parent	Biologic composition and method of manufacture	15/080818	Mar. 25, 2016
Parent	Biologic composition and method of manufacture	14/683221	April 10, 2015
Parent	Acellular biologic composition and method of manufacture	14/682523	April 9, 2015
Parent	Bone induction system and methods	15/082586	Mar. 28, 2016
Parent	Spinal implants with stem cells	15/045724	Feb. 17, 2016
Parent	Fenestrated bone wrap graft	14/947155	Nov. 20, 2015
Parent	Tasseled bone graft	14/679170	April 6, 2015
Parent	Fenestrated bone graft	14/679137	April 6, 2015
Parent	Spinal disk regenerative composition and method of manufacture and use	14/697790	April 28, 2015
Parent	Spinal disk regenerative composition and method of manufacture and use	14/697778	April 28, 2015
Parent	Spinal disk regenerative composition and method of manufacture and use	14/334318	July 17, 2014
Parent	Tissue allograft sterilization method	14/300462	June 10, 2014
Parent	Dynamic Biometric Mesh	14/730723 *	June 4, 2015
Parent	Method For Production Of Large Numbers Of Cartilage Cells With Phenotype Retention	14/290438 *	May 29, 2014
Parent	Spinal implants with stem cells	14/812126	July 29, 2015
Parent	Composition and method of preparation of bone allograft from endosteal portion of bone and isolated bone periosteum	14/697918 *	April 28, 2015
Parent	Composition and method of preparation of bone allograft from endosteal portion of bone and isolated bone periosteum	14/206361 *	Mar. 12, 2014
Parent	Self-assembly of collagen fibers from dermis, fascia and tendon for tissue augmentation and coverage of wounds and burns	13/955226	July 31, 2013
Parent	Radiopaque bone repair mixture and method of use	14/134117 *	Dec. 19, 2013
UMTB	Method for regenerating cartilage	7,838,040	Nov. 23, 2010
UMTB	Cartilage composition and process for producing the cartilage	8,318,212	Nov. 27, 2012

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UMTB	composition Composite bone grafts, particulate bone-calcium sulfate constructs, and methods of treating joint injuries	13/057918 *	Aug. 5, 2009
UMTB	Regenerative tissue matrix	14/369942	Dec. 28, 2012

\* — indicates patent is or will be abandoned

Parent	TETRACALCIUM PHOSPHATE (TTCP) HAVING CALCIUM PHOSPHATE WHISKER ON SURFACE	6960249	11/01/2005
Parent	INJECTABLE CALCIUM PHOSPHATE CEMENTS AND THE PREPARATION AND USE THEREOF	7976874	07/12/2011
Parent	Bone Graft	8535388	09/17/2013
Parent	Bone Graft	13/888,655	02/07/2013
Parent	BONE IMPLANTS AND METHOD OF MANUFACTURE	8414654	04/09/2013
Parent	BONE GROWTH ENHANCING IMPLANT	8679189	03/25/2014
Parent	MATERIAL MODIFICATION ASSEMBLY AND METHOD FOR USE IN THE MODIFICATION OF MATERIAL SUBSTRATES	14/163,712	01/24/2014
Parent	TRANSPLANTABLE PARTICULATE BONE COMPOSITION HAVING HIGH OSTEOINDUCTIVE CAPACITY AND METHODS FOR MAKING AND USING SAME	7335381	02/26/2008
Parent	BONE GROWTH ENHANCING IMPLANT	15142160	04/29/2016
Parent	ACELLULAR BIOLOGIC COMPOSITION AND METHOD OF MANUFACTURE	14810003	07/27/2015
Parent	LIQUID AMNION TRANSPLANT PRODUCT (assign not recorded)	14823770	08/11/2015
Parent	UMBILICAL CORD TRANSPLANT PRODUCT (assign not recorded)	14827445	08/17/2015
Parent	SHAPED UMBILICAL CORD TRANSPLANT PRODUCT (assign not recorded)	14851964	09/11/2015
Parent	STRUCTURALLY ENHANCED TISSUE GRAFT	14865798	09/25/2015
Parent	A METHOD OF PREPARING AND PRESERVING OSTEOGENIC BONE MARROW SPICULES	14947626	11/20/2015
Parent	MALLEABLE DEMINERALIZED BONE COMPOSITION AND METHOD OF MANUFACTURE	15136301	04/22/2016
Parent	MOLDABLE BONE COMPOSITION	15136339	04/22/2016
Parent	BONE GEL COMPOSITION AND METHOD OF MANUFACTURE	15136383	04/22/2016
Parent	BONE GEL SHEET COMPOSITION AND METHOD OF MANUFACTURE	15236807	08/15/2016
Parent	COHESIVE BONE COMPOSITION	15136534	04/22/2016
Parent	VIALE DISC REGENERATIVE COMPOSITION AND METHOD OF MANUFACTURE AND USE	15400392	01/06/2017

Foreign patent filings: All owned by Parent



EP1686934	08/09/2006	pending EP case	SPINAL FUSION PROCEDURE USING AN INJECTABLE BONE SUBSTITUTE
Europe 12811601.9 -- Pending		Filed 02/10/2014	SPINAL IMPLANTS WITH STEM CELLS3
EP 12701416.5 -- pending		04/04/2014	Bone Graft
EP 12704570.6 -- pending		04/04/2014	BONE IMPLANTS AND METHOD OF MANUFACTURE



EXHIBIT C

Trademarks

Please Check Box if No Trademarks Exist

<u>Name of Owner</u>	<u>Description</u>	<u>Serial / Registration Number</u>	<u>Application /Registration Date</u>
Parent	DERMREGENIX	87212955	Oct. 24, 2016
Parent	UMTB A VIVEX COMPANY	86530526	Feb. 10, 2015
Parent	PROAMNION	86292319	May 27, 2014
Parent	CYGNUS MATRIX	86960102	Mar. 31, 2016
Parent	UMTB	5027939	Aug. 23, 2016
Parent	FENFLEX	86720883	Aug. 11, 2015
Parent	REVIVEX	86531455	Feb. 11, 2015
Parent	RE-VIVEX	86526512	Feb. 6, 2015
Parent	REVIVEX	86526478	Feb. 6, 2015
Parent	UMTB	5018619	Aug. 9, 2016
Parent	VIVEX POWERED BY UMTB	4993311	July 5, 2016
Parent	LIQUID AMNION TECHNOLOGY (LAT)	86673994	June 25, 2015*
Parent	AMNION FLOWABLE THERAPY (AFT)	86673983	June 25, 2015*
Parent	UMTB FOUNDATION	4864577	Dec. 1, 2015
Parent	CYGNUS SOLO	4856195	Nov. 17, 2015
Parent	CARTIFIL	86246821	April 9, 2014*
Parent	CYGNUS MAX	4841927	Oct. 27, 2015
Parent	VIA	4828573	Oct. 6, 2015
Parent	VEGA	4791366	Aug. 11, 2015
Parent	VIAGRAFT	86277901	May 10, 2014*
Parent	JUPITER	4782743	July 28, 2015
Parent	METIS	4744587	May 26, 2015
Parent	CYGNUS	4657612	De. 16, 2014
Parent	VIVEX	4583374	Aug. 12, 2014
Parent		4537804	May 27, 2014
Parent		4536980	May 27, 2014
Parent	CALLISTO	4549117	June 10, 2014
Parent	VIVEX	4486149	Feb. 18, 2014

\*Indicates dead, abandoned or cancelled trademark