

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
Vital Therapies, Inc.		08/09/2010	CORPORATION: DELAWARE

RECEIVING PARTY DATA

Name:	Raulee Marcus Living Trust Dated 4/9/10
Composed Of:	COMPOSED OF Raulee Marcus, Trustee
Street Address:	3335 Highland Avenue
City:	Hermosa Beach
State/Country:	CALIFORNIA
Postal Code:	90254
Entity Type:	TRUST: CALIFORNIA

Name:	Beijing Renkai Investment Co., Ltd.
Street Address:	Room 200 No. 8 Cai Yu Zhen Street
Internal Address:	c/o Zhou Jian
City:	Da Xing District, Beijing
State/Country:	CHINA
Entity Type:	Company Limited: CHINA

PROPERTY NUMBERS Total: 1

Property Type	Number	Word Mark
Registration Number:	2504821	ELAD

CORRESPONDENCE DATA

Fax Number: (303)629-7610
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 303-825-0800
 Email: IntellectualProperty@bw-legal.com
 Correspondent Name: K Kalan
 Address Line 1: 370 Seventeenth Street, Suite 4800

900169372

**TRADEMARK
 REEL: 004260 FRAME: 0845**

CH \$40.00 2504821

Address Line 4: Denver, COLORADO 80202

ATTORNEY DOCKET NUMBER:

12510.850

DOMESTIC REPRESENTATIVE

Name:

Address Line 1:

Address Line 2:

Address Line 3:

Address Line 4:

NAME OF SUBMITTER:

K Kalan

Signature:

/kkalan/

Date:

08/13/2010

Total Attachments: 4

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MEMORANDUM OF SECURITY AGREEMENT

THIS MEMORANDUM OF SECURITY AGREEMENT (the "Memorandum") is dated as of July 9, 2010, is by and on behalf of Vital Therapies, Inc., a Delaware corporation (together with its successors and assigns, the "Debtor"), whose address is 15222 B Avenue of Science, San Diego, California 92128, in favor of each of the holders listed on Exhibit A attached hereto (collectively, "Lenders") and Ross Jaffe, M.D., in his capacity as Lender Representative (together with the Lenders, the "Secured Party"), on behalf of the Lenders.

RECITALS

A. Debtor owns the intellectual property described in Exhibit B attached hereto (the "Intellectual Property"). Debtor has previously executed and recorded a security agreement and addendums thereto (collectively the "Security Agreement") regarding the securitization of the Intellectual Property.

B. Debtor has entered into an addendum to the Security Agreement adding Secured Party as additional secured parties and has agreed to record a memorandum of the Security Agreement adding the Secured Party as additional secured parties under the Security Agreement. This Memorandum is the memorandum to be recorded by Debtor and is being executed, delivered, and recorded by Debtor in furtherance of its agreement.

AGREEMENT

Debtor agrees with Secured Party as follows:

1. Debtor grants Secured Party a security interest in the Intellectual Property described on Exhibit B attached hereto, subject to the conditions, provisions, and terms more particularly set forth in the Security Agreement.
2. This Memorandum will be binding upon and inure to the benefit of the Parties hereto, their representatives, successors, and assigns.
3. This Memorandum will be governed by and construed in accordance with the laws of the State of Colorado.

Debtor:

Vital Therapies, Inc., a Delaware corporation

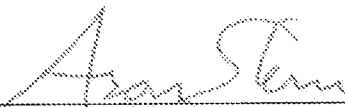
By: 
 Its: CHIEF FINANCIAL OFFICER
 Date: AUGUST 9, 2010

EXHIBIT A

Raulee Marcus Living Trust Dated 4/9/10
Raulee Marcus, Trustee
3335 Highland Avenue
Hermosa Beach, CA 90254

Beijing Renkai Investment Co., Ltd.
c/o Zhou Jian
Room 200 No.8 Cai Yu Zhen Street
Da Xing District, Beijing, China

EXHIBIT B

ATTACHMENT I INTELLECTUAL PROPERTY

Owned patents, trademarks, service marks, and applications therefor:

1. The following trademarks and service marks:

USPTO approved registration:

- ELAD[®] Registration No: 2504821; Serial No: 75/183137; good for ten years from 11/16/2007 acceptance date

SAIC China approved registrations:

- Class 10 in English No: 4430817; in Chinese No: 4430821; and combined No: 4430805
- Class 5 English No: 4430816
- Class 11 combined No: 4460780
- Class 20 combined No: 4460781
- Class 35 Chinese No: 4430822; combined No: 4430806
- Class 37 combined No: 4460783
- Class 40 combined No: 4460784
- Class 42 combined No: 4460786
- Class 44 English No: 4430819; Chinese No: 4430823; combined No: 4430807

Singapore approved registration:

- Class 10 English No: T0905808A; good for ten years from 5/27/09 acceptance date

Singapore applications:

- Class 10 application Chinese No: T0909136D
- Classes 5, 40 and 42 combined English and Chinese No: T0909139I
- Class 44 in English No: T0909137B; in Chinese No: T0909138J

2. The following patents and patent applications:

Patent	"Permanent Human Hepatocyte Cell Line And Its Use In A Liver Assist Device (LAD)"
Date of Patent	March 1, 1994 (U.S.)
Patent #	5,290,684
Countries	United States, Europe, Japan, Australia
Brief Description	Relates to permanent cell lines of hepatocytes with liver functions and methods of their use, particularly the use of the cell line in liver assist devices and in studying metabolism and regulation of liver cells.
Patent	"Organ Support System"
Date of Patent	November 29, 1994 (U.S.)
Patent #	5,368,555
Brief Description	Relates to an organ support system and method for sustaining a patient, and more particularly to an organ support system having a cell line which mimics or supports the function of a specific bodily organ e.g., liver, kidney, etc.
Patent	"C3A Serum-Free Clonal Cell Line and Methods of Use"
Date of Patent	June 24, 2008 (U.S.)
Patent #	7,390,651
Brief Description	Relates to a clone of the C3A cell line that will grow in serum free medium. This will allow production of ELAD [®] cartridges without the need for calf serum in the tissue culture medium.
Patent	"Metabolic Detoxification System and Method"
Date of Filing	April 26, 2004 (U.S. and Worldwide, including China)
Patent #	Pending; US Application 20050236329
Brief Description	Relates to an advanced metabolic detoxification and support system and method for sustaining a patient, and specifically to a system having the C3A cell line.
Patent	"Immortal Non-Tumorigenic Human Hepatocyte Cell Line"
Date of Patent	Claims and Specification Drafted
Patent	"Up Regulation of Detoxification Activities of Hepatocyte Based Liver Assist Systems"
Date of Patent	Claims and Specification Drafted