

## TRADEMARK ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		Release and Termination of Security Interest	
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
Mr. Ross Jaffe MD		05/19/2011	INDIVIDUAL: UNITED STATES
Capital Ventures International By Heights Capital Management, Inc.		05/19/2011	CORPORATION: CAYMAN ISLANDS
Versant Venture Capital III, L.P.		05/19/2011	LIMITED PARTNERSHIP: DELAWARE
Versant Side Fund III, L.P.		05/19/2011	LIMITED PARTNERSHIP: DELAWARE
Medventure Associates V, L.P.		05/19/2011	LIMITED PARTNERSHIP: DELAWARE
Medven Affiliates V, L.P.		05/19/2011	LIMITED PARTNERSHIP: DELAWARE
Valley Ventures III, L.P.		05/19/2011	LIMITED PARTNERSHIP: DELAWARE
Valley Ventures III Annex, L.P.		05/19/2011	LIMITED PARTNERSHIP: DELAWARE
Landmark Equity Partners XIII, L.P.		05/19/2011	LIMITED PARTNERSHIP: DELAWARE
Cotton Family Limited Partnership, LLP		05/19/2011	LIMITED LIABILITY PARTNERSHIP: ARIZONA
Wedbush Morgan Sec. CTDN IRA for John C. Cotton A/C 2750-0064		05/19/2011	CORPORATION: CALIFORNIA
Mr. John C. Cotton		05/19/2011	INDIVIDUAL: UNITED STATES
Ms. Janet H. Cotton		05/19/2011	INDIVIDUAL: UNITED STATES
Mr. Paul J. Renze		05/19/2011	INDIVIDUAL: UNITED STATES
Cramer Taos Partners c/o GOM Capital		05/19/2011	PARTNERSHIP: DELAWARE
Journeys End Partners c/o GOM Capital		05/19/2011	PARTNERSHIP: MICHIGAN
Greenwood Gulch Ventures, LLC		05/19/2011	LIMITED LIABILITY COMPANY: COLORADO
Robert F. Kibble Living Trust Dated 12/28/1990		05/19/2011	TRUST: CALIFORNIA
Vanessa Kibble 2004 Holding Trust		05/19/2011	TRUST: CALIFORNIA

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Robert F.J. Kibble 2003 Holding Trust		05/19/2011	TRUST: CALIFORNIA
Shabar Cobb 2004 Holding Trust		05/19/2011	TRUST: CALIFORNIA
Steven J. Pfrenzinger And Margaret A. Pfrenzinger Family Trust Dated 03/25/83		05/19/2011	TRUST: CALIFORNIA
Kung Family Trust Dated 2/8/2002		05/19/2011	TRUST: CALIFORNIA
Mr. Keith W. Baum		05/19/2011	INDIVIDUAL: UNITED STATES
Mr. Randy C. Steer		05/19/2011	INDIVIDUAL: UNITED STATES
JoAnn M. Orovitz Trust Dated 9/7/1995		05/19/2011	TRUST: UNITED STATES
Raulee Marcus		05/19/2011	INDIVIDUAL: UNITED STATES
Mr. Joseph B. Weiss		05/19/2011	INDIVIDUAL: UNITED STATES
Mr. Aron Stern		05/19/2011	INDIVIDUAL: UNITED STATES
Engleman Family Trust		05/19/2011	TRUST: CALIFORNIA
Mr. Jack Florio		05/19/2011	INDIVIDUAL: UNITED STATES
Mr. Troy Zander		05/19/2011	INDIVIDUAL: UNITED STATES
Mr. Terence E. Winters		05/19/2011	INDIVIDUAL: UNITED STATES
Equity Trust Company d/b/a Sterling Trust Custodian f/b/o John Lewis		05/19/2011	TRUST: TEXAS
DFJ Dragonfund China, L.P.		05/19/2011	LIMITED PARTNERSHIP: CAYMAN ISLANDS
DFJ Dragonfund Partners, LLC		05/19/2011	LIMITED LIABILITY COMPANY: CALIFORNIA
Draper Fisher Jurvetson Fund VIII, L.P.		05/19/2011	LIMITED PARTNERSHIP: CAYMAN ISLANDS
Draper Fisher Jurvetson Partners VIII, LLC		05/19/2011	LIMITED LIABILITY COMPANY: CALIFORNIA
JABE, LLC		05/19/2011	LIMITED LIABILITY COMPANY: CALIFORNIA
Toucan Capital Fund II, L.P.		05/19/2011	LIMITED PARTNERSHIP: MARYLAND
Mr. Steven J. Pfrenzinger		05/19/2011	INDIVIDUAL: UNITED STATES
Ms. Christine Pfrenzinger-Julianel		05/19/2011	INDIVIDUAL: UNITED STATES
Mr. Frank Kung		05/19/2011	INDIVIDUAL: UNITED STATES
John S. and Elizabeth H. Lewis Family Partnership LP		05/19/2011	LIMITED PARTNERSHIP: CALIFORNIA
Raulee Marcus Living Trust Dated 4/9/10		05/19/2011	TRUST: CALIFORNIA
Beijing Renkai Investment Co., Ltd.		05/19/2011	Company Limited: CHINA
ZhenAn Zhang		05/19/2011	INDIVIDUAL: CHINA

RECEIVING PARTY DATA

**TRADEMARK**  
**REEL: 004866 FRAME: 0002**

Name:	Vital Therapies, Inc.
Street Address:	15222 B Avenue of Science
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92128
Entity Type:	CORPORATION: DELAWARE

PROPERTY NUMBERS Total: 1

Property Type	Number	Word Mark
Serial Number:	75183137	ELAD

**CORRESPONDENCE DATA**

Fax Number: 3036297610  
*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.*  
 Phone: 303-825-0800  
 Email: ip@bw-legal.com  
 Correspondent Name: K Kalan  
 Address Line 1: 370 17th Street  
 Address Line 2: Suite 4800  
 Address Line 4: Denver, COLORADO 80202

ATTORNEY DOCKET NUMBER:	12510.850
NAME OF SUBMITTER:	K Kalan
Signature:	/k kalan/
Date:	09/24/2012

Total Attachments: 12  
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## RELEASE AND TERMINATION OF SECURITY INTEREST

THIS RELEASE AND TERMINATION OF SECURITY INTEREST (the “Release”) is dated as of May 19, 2011, is by and on behalf 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, in favor 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.

### RECITALS

A. Debtor owns the intellectual property described in Exhibit B attached hereto (the “Intellectual Property”). In order to secure payment of certain Convertible Notes, Debtor had previously executed and recorded a security agreement and addenda thereto (collectively the “Security Agreement”) as well as addenda to the Security Agreement, regarding the securitization of the Intellectual Property. Debtor had also recorded the Security Agreement and Memoranda of Security Agreement (the “Memoranda”) with the USPTO.

B. The Convertible Notes secured by the Security Agreement have been cancelled and converted into equity with the mutual agreement of Debtor and Lenders. This Release to be recorded by Debtor is being executed and delivered by the Lender Representative in furtherance of their agreement.

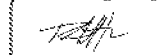
### AGREEMENT

Secured Party agrees with Debtor as follows:

1. Secured Party hereby releases its security interest in the Intellectual Property described on Exhibit B attached hereto.
2. This Release will be binding upon and inure to the benefit of the Parties hereto, their representatives, successors, and assigns.
3. This Release will be governed by and construed in accordance with the laws of the State of California.

Lender Representative/Secured Party:

DocuSigned by:



ZATAFFEBAUAC4DT

Ross Jaffe, as Lender Representative

## EXHIBIT A

Capital Ventures International By Heights Capital Management, Inc.

101 California Street, Suite 3250

San Francisco, California 94111

Entity Type: Corporation

Citizenship: Cayman Islands

Versant Venture Capital III, L.P.

3000 Sand Hill Road

Building 4, Suite 210

Menlo Park, California 94025

Entity Type: Limited Partnership

Citizenship: Delaware

General Partner: Versant Ventures III LLC, a Delaware Limited Liability Company

Versant Side Fund III, L.P.

3000 Sand Hill Road

Building 4, Suite 210

Menlo Park, California 94025

Entity Type: Limited Partnership

Citizenship: Delaware

General Partner: Versant Ventures III LLC, a Delaware Limited Liability Company

Medventure Associates V, L.P.

5980 Horton Street, Suite 390

Emeryville, California 94608

Entity Type: Limited Partnership

Citizenship: Delaware

General Partners: Associates V Management Co., LLC, a Delaware Limited Liability Company; Associates Management V Co., LLC, a Delaware Limited Liability Company; and MedVenture Associates Management V Co., LLC, a Delaware Limited Liability Company

Medven Affiliates V, L.P.

5980 Horton Street, Suite 390

Emeryville, California 94608

Entity Type: Limited Partnership

Citizenship: Delaware

General Partners: Associates V Management Co., LLC, a Delaware Limited Liability Company; Associates Management V Co., LLC, a Delaware Limited Liability Company; and MedVenture Associates Management V Co., LLC, a Delaware Limited Liability Company.

Valley Ventures III, L.P.

80 E. Rio Salado Parkway

Suite 705

Tempe, Arizona 85281

Entity Type: Limited Partnership

Citizenship: Delaware

General Partner: VV III Management, L.L.C., a Delaware Limited Liability Company

Valley Ventures III Annex, L.P.

1275 W. Washington Street, Suite 101

Tempe, Arizona 85281

Entity Type: Limited Partnership

Citizenship: Delaware

General Partner(s), Citizenship: US

Landmark Equity Partners XIII, L.P.

10 Mill Pond Lane

Simsbury, Connecticut 06070

Entity Type: Limited Partnership

Citizenship: Delaware

General Partner: Landmark Partners XIII, LLC, a Delaware Limited Liability Company

Cotton Family Limited Partnership, LLP

c/o The Maricopa Partnerships, LLC

2702 E Shaw Butte Drive

Phoenix, Arizona 85028-1122

Entity Type: Limited Liability Partnership

Citizenship: Arizona

General Partners: John Cotton (Citizenship: US); Janet H. Cotton (Citizenship: US); Sebec Corporation, and Arizona Corporation

Wedbush Morgan Sec. CTDN IRA for  
John C. Cotton A/C 2750-0064  
c/o Wedbush, Inc.  
14851 N. Scottsdale Road, Suite 201  
Scottsdale, AZ 85254  
Entity Type: Corporation  
Citizenship: California

Cotton, John C.  
Apartado Postal 452  
Puerto Vallarta, Jalisco, Mexico 48340  
Entity Type: Individual  
Citizenship: US

Cotton, Janet H.  
Apartado Postal 452  
Puerto Vallarta, Jalisco, Mexico 48340  
Entity Type: Individual  
Citizenship: US

Renze, Paul J.  
5 Three Lakes Road  
Barrington Hills, Illinois 60010  
Entity Type: Individual  
Citizenship: US

Cramer Taos Partners c/o GOM Capital  
707 Westchester Avenue  
White Plains, New York 10604  
Entity Type: Partnership  
Citizenship: Delaware

Journeys End Partners c/o GOM Capital  
707 Westchester Avenue  
White Plains, New York 10604  
Entity Type: Partnership  
Citizenship: Michigan

Greenwood Gulch Ventures, LLC  
1873 S. Bellaire St., Suite 930  
Denver, Colorado 80222  
Entity Type: Limited Liability Company  
Citizenship: Colorado

Robert F. Kibble Living Trust Dated 12/28/1990  
11455 El Camino Real, Suite 450  
San Diego, California 92130  
Entity Type: Trust  
Citizenship: California

Vanessa Kibble 2004 Holding Trust  
11455 El Camino Real  
Suite 450  
San Diego, California 92130  
Entity Type: Trust  
Citizenship: California

Robert F.J. Kibble 2003 Holding Trust  
11455 El Camino Real, Suite 450  
San Diego, California 92130  
Entity Type: Trust  
Citizenship: California

Shabar Cobb 2004 Holding Trust  
11455 El Camino Real, Suite 450  
San Diego, California 92130  
Entity Type: Trust  
Citizenship: California

Steven J. Pfrenzinger And Margaret A. Pfrenzinger  
Family Trust Dated 03/25/83  
73-987 Desert Garden Trail  
Palm Desert, California 92260  
Entity Type: Trust  
Citizenship: California



Kung Family Trust Dated 2/8/2002  
Frank Kung  
1 Knoll Vista, Atherton, CA 94027  
Atherton, CA 94027  
Entity Type: Trust  
Citizenship: California

Baum, Keith W.  
10347 N. 50th Place  
Paradise Valley, Arizona 85253  
Entity Type: Individual  
Citizenship: US

Steer, Randy C.  
40-710 Morningstar Road  
Rancho Mirage, California 92270-4080  
Entity Type: Individual  
Citizenship: US

JoAnn M. Orovitz Trust Dated 9/7/1995  
624 Pear Blossom Court  
Roseville, California 95747  
Entity Type: Trust  
Citizenship: US

Marcus, Raulee  
3335 Highland Avenue  
Hermosa Beach, California 90254  
Entity Type: Individual  
Citizenship: US

Weiss, Joseph B.  
18422 Calle La Serra  
Rancho Santa Fe, California 92091  
Entity Type: Individual  
Citizenship: US

Stern, Aron  
3482 Corte Clarita  
Carlsbad, California 92009  
Entity Type: Individual  
Citizenship: US

Engleman Family Trust  
60 Lane Place  
Atherton, California 94027  
Entity Type: Trust  
Citizenship: California

Florio, Jack  
7675 La Jolla Blvd. #104  
La Jolla, California 92037  
Entity Type: Individual  
Citizenship: US

Zander, Troy  
4380 Hilldale Road  
San Diego, California 92116  
Entity Type: Individual  
Citizenship: US

Winters, Terence E.  
42196 N Chiricahua Pass  
Scottsdale, Arizona 85262  
Entity Type: Individual  
Citizenship: US

Equity Trust Company d/b/a Sterling Trust Custodian f/b/o John Lewis  
7901 Fish Pond Road  
Waco, Texas 76710  
Entity Type: Trust  
Citizenship: Texas

DFJ Dragonfund China, L.P.  
2882 Sand Hill Road, Suite 150  
Menlo Park, California 94025  
Entity Type: Limited Partnership  
Citizenship: Cayman Islands

DFJ Dragonfund Partners, LLC  
2882 Sand Hill Road, Suite 150  
Menlo Park, California 94025  
Entity Type: Limited Liability Company  
Citizenship: California

Draper Fisher Jurvetson Fund VIII, L.P.  
2882 Sand Hill Road, Suite 150  
Menlo Park, California 94025  
Entity Type: Limited Partnership  
Citizenship: Cayman Islands

Draper Fisher Jurvetson Partners VIII, LLC  
2882 Sand Hill Road, Suite 150  
Menlo Park, California 94025  
Entity Type: Limited Liability Company  
Citizenship: California

JABE, LLC  
2882 Sand Hill Road, Suite 150  
Menlo Park, California 94025  
Entity Type: Limited Liability Company  
Citizenship: California

Toucan Capital Fund II, L.P.  
7600 Wisconsin Avenue, 7th Floor  
Bethesda, Maryland 20814  
Entity Type: Limited Partnership  
Citizenship: Maryland

Pfrenzing, Steven J.  
73-987 Desert Garden Trail  
Palm Desert, California 92260  
Entity Type: Individual  
Citizenship: US

Pfrenzing-Julian, Christine  
73-987 Desert Garden Trail  
Palm Desert, California 92260  
Entity Type: Individual  
Citizenship: US

Kung, Frank  
Vivo Ventures, 575 High Street, Suite 201  
Palo Alto, California 94301  
Entity Type: Individual  
Citizenship: US

John S. and Elizabeth H. Lewis Family Partnership LP  
C/O John R. Lewis, P. O. Box 1691  
San Mateo, California 94401  
Entity Type: Limited Partnership  
Citizenship: California

Raulee Marcus Living Trust Dated 4/9/10  
Composed of Raulee Marcus, Trustee  
3335 Highland Avenue  
Hermosa Beach, California 90254  
Entity Type: Trust  
Composed of: Raulee Marcus, Trustee  
Citizenship: California

Beijing Renkai Investment Co., Ltd.  
Room 200 No. 8 CAI Yu Zhen Street  
C/O Zhou Jian  
DA Xing District, Beijing, China  
Entity Type: Company Limited  
Citizenship: China

ZhenAn Zhang  
Long 200, Building 2, Room 1702  
Dong Tai Road, Pu Dong District  
Shanghai, The People's Republic of China 200120  
Entity Type: Individual  
Citizenship: China

**EXHIBIT B**

**ATTACHMENT A**  
**INTELLECTUAL PROPERTY**

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

1. The following trademarks and service marks:

USPTO approved registration:

- ELAD<sup>®</sup> 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	"CGA 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 CGA cell line that will grow in serum free medium. This will allow production of ELAD <sup>®</sup> 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 CGA 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