

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
Harvard Bioscience, Inc.		03/29/2013	CORPORATION: DELAWARE
Fkaubi, Inc.		03/29/2013	CORPORATION: DELAWARE
FKA GSI US, Inc.		03/29/2013	CORPORATION: DELAWARE
Genomic Solutions Canada, Inc.		03/29/2013	CORPORATION: CANADA
Hoefer, Inc.		03/29/2013	CORPORATION: DELAWARE
KD Scientific, Inc.		03/29/2013	CORPORATION: MASSACHUSETTS
Biochrom US, Inc.		03/29/2013	CORPORATION: DELAWARE
Wamer Instruments LLC		03/29/2013	LIMITED LIABILITY COMPANY: DELAWARE
Denville Scientific, Inc.		03/29/2013	CORPORATION: DELAWARE
Coulbourn Instruments, LLC		03/29/2013	LIMITED LIABILITY COMPANY: DELAWARE
Cartesian Technologies, Inc.		03/29/2013	CORPORATION: DELAWARE

RECEIVING PARTY DATA

Name:	Bank of America, N.A.
Street Address:	100 N TRYON ST
City:	Charlotte
State/Country:	NORTH CAROLINA
Postal Code:	28255
Entity Type:	CORPORATION: DELAWARE

PROPERTY NUMBERS Total: 23

Property Type	Number	Word Mark
Registration Number:	1994144	DYNA QUANT
Registration Number:	2663974	RUBY
Registration Number:	2574351	READY-TO-RUN
Registration Number:	1946172	HOEFER

CH \$590.00 1994144

Registration Number:	1425327	THE STURDIER
Registration Number:	3128076	CALIBER
Registration Number:	3259250	ULTIMA
Serial Number:	82558942	
Registration Number:	2313868	ENHANCER
Registration Number:	2493062	GENETRODES
Registration Number:	2223723	BTX
Registration Number:	2433199	BIOCHROM
Registration Number:	1574413	STRONGHOLD
Registration Number:	3901596	BTXPRESS
Registration Number:	1869303	CMA/MICRODIALYSIS
Registration Number:	2273647	TRU SCAN
Registration Number:	2925160	
Registration Number:	3048658	COULBOURN
Registration Number:	2970145	CI
Serial Number:	85751217	BIODROP SO SIMPLE, YOU'LL WONDER WHY NO-ONE HAS DONE IT BEFORE. . .
Serial Number:	85751209	BIODROP
Registration Number:	0826093	CPK
Registration Number:	2547737	GRAPHIC STATE

CORRESPONDENCE DATA

Fax Number: 6173453299
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.
Phone: (617) 345-3000
Email: mschepper@burnslev.com
Correspondent Name: Marlo M. Schepper
Address Line 1: Burns & Levinson LLP
Address Line 2: 125 Summer Street
Address Line 4: Boston, MASSACHUSETTS 02110

ATTORNEY DOCKET NUMBER:	43363.0
NAME OF SUBMITTER:	Marlo Schepper Grolnic
Signature:	/Marlo Schepper Grolnic/
Date:	04/02/2013

Total Attachments: 9

TRADEMARK
REEL: 004996 FRAME: 0008

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NOTICE
OF
GRANT OF SECURITY INTEREST
IN
TRADEMARKS

United States Patent and Trademark Office

Ladies and Gentlemen:

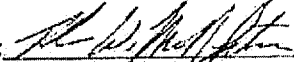
Please be advised that pursuant to the Security and Pledge Agreement dated as of March 29, 2013 (as amended, modified, extended, restated, renewed, replaced, or supplemented from time to time, the "Agreement") and among the Grantors party thereto (each an "Grantor" and collectively, the "Grantors") and Bank of America, N.A., as administrative agent (the "Administrative Agent") for the Secured Parties referenced therein, the undersigned Grantors have granted a continuing security interest in and continuing lien upon the trademarks and trademark applications shown on Schedule 1 attached hereto to the Administrative Agent for the ratable benefit of the Secured Parties.

The undersigned Grantors and the Administrative Agent, on behalf of the Secured Parties, hereby acknowledge and agree that the security interest in the foregoing trademarks and trademark applications (a) may only be terminated in accordance with the terms of the Agreement and (b) is not to be construed as an assignment of any trademark or trademark application.

[signature pages follow]

Very truly yours,

HARVARD BIOSCIENCE, INC.

By: 
Name: Thomas McNaughton
Title: Chief Financial Officer

FKAUBI, INC.

By: _____
Name: David Green
Title: President

FKA GSI US, INC.

By: _____
Name: David Green
Title: President

CARTESIAN TECHNOLOGIES, INC.

By: _____
Name: David Green
Title: President

GENOMIC SOLUTIONS CANADA, INC.

By: _____
Name: David Green
Title: President

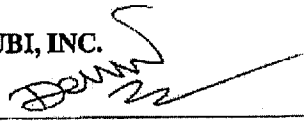
[Signature Page to Notice of Security Interest in Trademarks]

Very truly yours,


HARVARD BIOSCIENCE, INC.

By: _____
Name: Thomas McNaughton
Title: Chief Financial Officer


FKAUBI, INC.

By:  _____
Name: David Green
Title: President

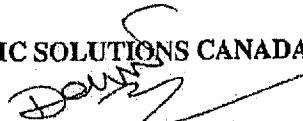
FKA GSI US, INC.

By:  _____
Name: David Green
Title: President

CARTESIAN TECHNOLOGIES, INC.


By:  _____
Name: David Green
Title: President

GENOMIC SOLUTIONS CANADA, INC.


By:  _____
Name: David Green
Title: President

[Signature Page to Notice of Security Interest in Trademarks]

HOEFER, INC.

By: 
Name: David Green
Title: President

KD SCIENTIFIC, INC.

By: 
Name: David Green
Title: President

BIOCHROM US, INC.

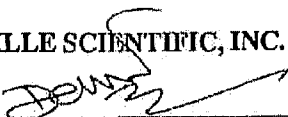
By: 
Name: David Green
Title: President

WARNER INSTRUMENTS LLC

By: Harvard Bioscience, Inc., its sole member

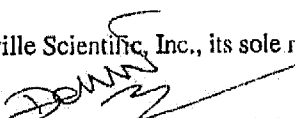
By: _____
Name: Thomas McNaughton
Title: Chief Financial Officer

DENVILLE SCIENTIFIC, INC.

By: 
Name: David Green
Title: President

COULBOURN INSTRUMENTS, LLC

By: Denville Scientific, Inc., its sole member

By: 
Name: David Green
Title: President

[Signature Page to Notice of Security Interest in Trademarks]

HOEFER, INC.

By: _____
Name: David Green
Title: President

KD SCIENTIFIC, INC.

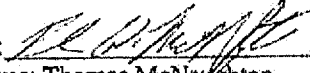
By: _____
Name: David Green
Title: President

BIOCHROM US, INC.

By: _____
Name: David Green
Title: President

WARNER INSTRUMENTS LLC

By: Harvard Bioscience, Inc., its sole member

By:  _____
Name: Thomas McNaughton
Title: Chief Financial Officer

DENVILLE SCIENTIFIC, INC.

By: _____
Name: David Green
Title: President

COULBOURN INSTRUMENTS, LLC

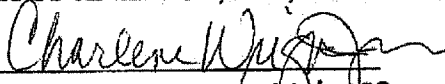
By: Denville Scientific, Inc., its sole member

By: _____
Name: David Green
Title: President

[Signature Page to Notice of Security Interest in Trademarks]

Acknowledged and Accepted:

BANK OF AMERICA, N.A., as Administrative Agent

By: 

Name: **Charlene Wright Jones**

Title: **Vice President**

[Signature Page to Notice of Security Interest in Trademarks]

TRADEMARK
REEL: 004996 FRAME: 0015

Schedule I

Trademarks; Trademark Applications

Grantor:

Title:

Registration No.:

Reg. Date:

Country:

See attached.

HARVARD BIOSCIENCE, INC.
SUMMARY OF OWNED TRADEMARKS

US TRADEMARKS	OWNER	REGISTRATION/ FILING DATE	STATUS	APPLICATION/ REGISTRATION NO.	OWNED OR LICENSED
DYNA QUANT	HOEFER, INC.	August 13, 1996	ACTIVE	1,994,144	OWNED
RUBY	HOEFER, INC.	December 17, 2002	ACTIVE	2,663,974	OWNED
READY-TO-RUN	HOEFER, INC.	May 28, 2002	LAPSED	2,574,351	OWNED
HOEFER	HOEFER, INC.	January 9, 1996	ACTIVE	1,946,172	OWNED
THE STURDIER	HOEFER, INC.	January 13, 1987	ACTIVE	1,425,327	OWNED
CALBER	HOEFER, INC.	August 8, 2006	LAPSED	3,128,076	OWNED
ULTIMA	HOEFER, INC.	July 3, 2007	ACTIVE	3,259,250	OWNED
CENTRIFAN	HARVARD BIOSCIENCE, INC.	June 22, 2012	APPLICATION	82568942	OWNED
ENHANCER	HARVARD BIOSCIENCE, INC.	February 1, 2000	ACTIVE	2313868	OWNED
GENETRODES	HARVARD BIOSCIENCE, INC.	September 25, 2001	ACTIVE	2493062	OWNED
BTX	HARVARD BIOSCIENCE, INC.	February 16, 1999	ACTIVE	2223723	OWNED
CPK	HARVARD BIOSCIENCE, INC.	March 21, 1967	ACTIVE	826093	OWNED
BIOCHROM	HARVARD BIOSCIENCE, INC.	March 6, 2001	ACTIVE	2433199	OWNED
STRONGHOLD	HARVARD BIOSCIENCE, INC.	January 2, 1990	ACTIVE	1574413	OWNED
BTXPRESS	HARVARD BIOSCIENCE, INC.	January 4, 2011	ACTIVE	3901596	OWNED
CMA MICRODIALYSIS	HARVARD BIOSCIENCE, INC.	December 27, 1994	ACTIVE	1869303	OWNED
TRU SCAN	Coulbourn Instruments, LLC	August 31, 1999	ACTIVE	2273647	OWNED
Graphic State [Gerbill design]	Coulbourn Instruments, LLC	March 12, 2002	ACTIVE	2547743	OWNED
Coulbourn CI	Coulbourn Instruments, LLC	February 8, 2005	ACTIVE	2925160	OWNED
		January 24, 2006	ACTIVE	3048568	OWNED
		July 19, 2005	ACTIVE	2970145	OWNED
		October 11, 2012	APPLICATION	85751217	OWNED
Biodrop so simple, you'll wonder why no-one has done it before ...	Biochrom Limited	October 11, 2012	APPLICATION	85751209	OWNED
BIDDROP	Biochrom Limited	November 17, 2009	ACTIVE	3712169	OWNED
BIOCHROM	Biochrom Limited	April 7, 2009	ACTIVE	3602685	OWNED
MULTIREAD	Biochrom Limited	June 24, 2008	ACTIVE	3454092	OWNED
GENEQUANT	Biochrom Limited		ACTIVE		OWNED
REGISTRATION/ FILING					
FOREIGN TRADEMARKS	OWNER	DATE	STATUS	REGISTRATION NO. (Filing office)	OWNED OR LICENSED
HOEFER	HOEFER, INC.	December 14, 2004	ACTIVE	867301 (WIPO)	OWNED
ULTIMA	HOEFER, INC.	April 19, 2006	ACTIVE	885629 (WIPO)	OWNED
HOEFER	HOEFER, INC.	March 13, 1996	ACTIVE	594531 (BX)	OWNED
HOEFER	HOEFER, INC.	March 1, 2006	APPLICATION	004197191 (Europe - OHIM)	OWNED
HOEFER	HOEFER, INC.	October 18, 1996	APPLICATION	VR 1996 05829 (Denmark)	OWNED
ISOPRIME	HOEFER, INC.	March 7, 1997	LAPSED	322214 (Sweden)	OWNED
READY-TO-RUN	HOEFER, INC.	May 25, 2001	LAPSED	346492 (Sweden)	OWNED
HOEFER	HOEFER, INC.	August 30, 1996	ACTIVE	39612465,6 (Germany)	OWNED
HOEFER	HOEFER, INC.	January 10, 2005	ACTIVE	969461 (Mexico)	OWNED
HOEFER	HOEFER, INC.	December 14, 1999	ACTIVE	520533 (Canada)	OWNED
HOEFER	HOEFER, INC.	December 1, 2005	ACTIVE	1403064 (India)	OWNED
HOEFER	HOEFER, INC.	March 31, 2005	ACTIVE	KOR248345 (Thailand)	OWNED
HOEFER	HOEFER, INC.	March 18, 1996	ACTIVE	704853 (Australia)	OWNED
HOEFER	HOEFER, INC.	July 16, 2008	ACTIVE	1317951	OWNED

HOEFER	HOEFER, INC.	December 22, 2004	ACTIVE	300342297 (Hong Kong)	OWNED
HOEFER	HOEFER, INC.	December 23, 2004	ACTIVE	723357 (New Zealand)	OWNED
RUBY	HOEFER, INC.	August 14, 2002	ACTIVE	TMA565778 (Canada)	OWNED
RUBY	HOEFER, INC.	May 17, 2000	ACTIVE	1660141 (CTM EU)	OWNED
RUBY	HOEFER, INC.	May 17, 2000	ACTIVE	2232634 (UK)	OWNED
READY-TO-RUN	HOEFER, INC.	April 26, 2002	ACTIVE	TMA560898 (Canada)	OWNED
HOEFER	HOEFER, INC.	March 6, 1998	ACTIVE	4120690 (Japan)	OWNED
HOEFER	HOEFER, INC.	October 22, 2008	ACTIVE	410000392970000 (South Korea)	OWNED
HOEFER	HOEFER, INC.	December 22, 2004	ACTIVE	177091 (Israel)	OWNED
HOEFER	HOEFER, INC.	October 2, 1997	ACTIVE	40-0377144 (Korea)	OWNED
HOEFER	HOEFER, INC.	August 11, 1997	ACTIVE	40-0372273 (Korea)	OWNED
BiDrop (UK trademark)	Biochrom Limited	February 3, 2012	Current	2605308	OWNED
BiDrop (European trademark)	Biochrom Limited	May 30, 2012	Current	EU 010924314	OWNED
AHN Biotechnologie German Trademark	AHN BIOTECHNOLOGIE GMBH	October 22, 1999	Current	399 66 058	OWNED
pipelau German Trademark	AHN BIOTECHNOLOGIE GMBH		Current	7806288	OWNED
Biochrom Austria	HARVARD BIOSCIENCE, INC.	11-Jul-1968	Protection granted	347130	OWNED
Biochrom Benelux	HARVARD BIOSCIENCE, INC.	11-Jul-1968	Protection granted	347130	OWNED
Biochrom China	Biochrom Limited	19-Nov-2007	Protection granted	964706	OWNED
Multitread China	Biochrom Limited	13-Dec-2007	Protection granted	952440	OWNED
Genequant Europe	Biochrom Limited	03-Jul-2007	Protection granted	932355	OWNED
Ultraspec France	Biochrom Limited	04-Sep-1991	Granted	306457	OWNED
Biochrom Germany	HARVARD BIOSCIENCE, INC.	11-Jul-1968	Protection granted	347130	OWNED
Ultraspec Germany	Biochrom Limited	02-Oct-1981	Granted	1031403	OWNED
Biochrom Hungary	HARVARD BIOSCIENCE, INC.	11-Jul-1968	Protection granted	347130	OWNED
Biochrom Spain	HARVARD BIOSCIENCE, INC.	11-Jul-1968	Granted	347130	OWNED
Genequant Spain	Biochrom Limited	03-Jul-2007	Granted	932355	OWNED
Multitread Spain	Biochrom Limited	13-Dec-2007	Granted	952440	OWNED
Biochrom Italy	HARVARD BIOSCIENCE, INC.	11-Jul-1968	Protection granted	347130	OWNED
Biochrom Japan	Biochrom Limited	19-Nov-2007	Application allowed	964706	OWNED
Genequant Japan	Biochrom Limited	03-Jul-2007	Protection granted	932355	OWNED
Multitread Japan	Biochrom Limited	13-Dec-2007	Protection granted	952440	OWNED
Ultraspec Japan	Biochrom Limited	27-Sep-1996	Granted	1714199	OWNED
Biochrom Switzerland	HARVARD BIOSCIENCE, INC.	11-Jul-1968	Protection granted	347130	OWNED
Biochrom UK	Biochrom Limited	18-May-2007	Granted	2456030	OWNED
Genequant UK	Biochrom Limited	24-Dec-1992	Granted	1522174	OWNED
Multitread UK	Biochrom Limited	03-Jul-2007	Granted	2460239	OWNED
Novaspec UK	Biochrom Limited	26-Jul-1984	Granted	1223574	OWNED
Ultraspec UK	Biochrom Limited	30-Sep-1981	Granted	1162119	OWNED

TRADEMARK

REEL: 004996 FRAME: 0018

RECORDED: 04/02/2013