503163117 02/03/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3209732

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEFFREY T. BORENSTEIN	12/05/2014
AHMAD S. KHALIL	01/07/2015
ELI J. WEINBERG	01/23/2015
JASON O. FIERING	12/10/2014
ERNEST S. KIM	12/05/2014
MITCHELL L. HANSBERRY	12/05/2014
STEPHEN BELLIO	12/05/2014

RECEIVING PARTY DATA

Name:	THE CHARLES STARK DRAPER LABORATORY, INC.	
Street Address:	555 TECHNOLOGY SQUARE	
City:	CAMBRIDGE	
State/Country:	MASSACHUSETTS	
Postal Code:	02139	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14534898

CORRESPONDENCE DATA

Fax Number: (617)342-4001

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: 617-342-4000

Email: cmeyer@foley.com, ipdocketing@foley.com

Correspondent Name: EDWARD A. GORDON

Address Line 1: 111 HUNTINGTON AVENUE

Address Line 2: SUITE 2500

Address Line 4: BOSTON, MASSACHUSETTS 02199

ATTORNEY DOCKET NUMBER:	102590-0440 (1 OF 2)	
NAME OF SUBMITTER:	CASSANDRA MEYER FOR EDWARD A. GORDON	
SIGNATURE:	/Cassandra Meyer for Edward A. Gordon/	
DATE SIGNED:	02/03/2015	

503163117 PATENT REEL: 034882 FRAME: 0314

Total Attachments: 8 source=20150203_102590-0440_Assignment_Draper#page1.tif source=20150203_102590-0440_Assignment_Draper#page2.tif source=20150203_102590-0440_Assignment_Draper#page3.tif source=20150203_102590-0440_Assignment_Draper#page4.tif source=20150203_102590-0440_Assignment_Draper#page5.tif source=20150203_102590-0440_Assignment_Draper#page6.tif source=20150203_102590-0440_Assignment_Draper#page7.tif source=20150203_102590-0440_Assignment_Draper#page8.tif

PATENT REEL: 034882 FRAME: 0315

ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

The Charles Stark Draper Laboratory, Inc. 555 Technology Square Cambridge, MA

(hereinafter referred to singly and collectively as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

SYSTEMS AND METHOD FOR HIGH-THROUGHPUT TESTING

check one	[] executed concurrently herewith,	
	executed on	
	[X] Serial No. <u>14/534,898</u> Filed <u>11/6/2</u>	2014

as set forth in this United States Patent Application

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the Patent Cooperation Treaty, the Paris Convention and any other international agreement; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

Page 1 of 6

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of Foley & Lardner LLP the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Foley & Lardner LLP do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Executed this	day of	, 20
	,	JEFFREY T. BORENSTEIN
State of		
County of)	
whose name is subscribed to the with	in instrument and acknowle	, before me,
WITNESS my hand and official seal.		
Signature		
W. G		
My Commission Expires:	w.	
Executed this	day of Jan	vary , 2015.
		That
		AHMAD S. KHALIL
State of Massachuse		
County of <u>Saffalk</u>)	
is subscribed to the within instrument	t and acknowledged to me t	S, before me. Linds M. Diarins (a notary public in and a proved to me on the basis of satisfactory evidence to be the person whose name that he/she executed the same in his/her authorized capacity, and that by his/her of which the person acted, executed the instrument.
WITNESS my hand and official seal.		χ.
Signature Side	m. Au	
My Commission Expires: Dec	28, 2018	
T.ITA.	X M. DIONNE Notery Public	
	ALTH OF MASSACHUSETTS OMMISSION Expires	
	cember 28, 2018	



		ì
State of Massachuse	<u>/k</u>)	JEFFREY T. BORENSTEIN
County of Middles of		before me,
whose name is subscribed to the with	iin instrument and acknowle	is, who proved to me on the basis of satisfactory evidence to be the person dged to me that he/she executed the same of his/her authorized capacity, and that be before the person acted, executed the instrument.
WITNESS my hand and official seal	~/	TA CARANA NAJAR
WITNESS my hand and official seal Signature Add My Commission Expires: 7-21-	·Nyja	CONTROL
My Commission Expires: 1-21-	14	
Executed this	day of	. 20
Executed this	day of	AHMAD S. KHALIL
State of)	
)	
State of		
State of		AHMAD S. KHALIL
State of County of		AHMAD S. KHALIL

Executed this 5th day of December , 20 14.

Executed this 23 day of Jawwall 2015.
ELI. WEINBERG
State of New York)
County of <u>USA</u>
On this 43 day of 18 p.4. s/or 2015, before mo. 2025 of schedules 4 35 concey public in and for said county), personally appeared CLLT WEINBERG, who proved to me on the base of schedules evidence to be the person whose name to subscribed to the within instrument and acknowledged to me that he/site executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument
WITNESS my band and official cost.
Symmetry C. Benzer
FLORENCE C, BENZON Notary Public, State of New York No.31-4843692 Gunified in New York Couply Commission Express
Executed this day of
JASON O. FIERING
State of
County of)
On this day of 20 before me. Is notary possible in and for said country), personally appeared JASON OF RERING, who proved upon the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/har authorized sepacity, and that by his/har signature in the instrument the person, or the entity upon behalf of which the person with executed the instrument.
WITNESS my hand and official scal.
Xquerore
My Commission Expires:

Page 4 of 6

4812-4044-4704.1

Executed this	day of	
		ELI J. WEINBERG
State of)	ELLX S. WELLX ELXCO
County of)	
subscribed to the within instrument a	and acknowledged to me	0
WITNESS my hand and official seal	•	
Signature		e de la companya de La companya de la companya del companya de la companya de la companya del companya de la co
My Commission Expires.		
		say.
Executed this 10	day of 2	FC . 2014.
State of Massachused	ys)	JASON O. FIERING
County of Middlesed		
On this 10 th day of 1 day of	Zecendur 2 JASON O. FIERING, v t and acknowledged to r	O
WITNESS my hard and sufficial seal. Signature Audia 11. My Commission Expires: 7/21	Nijjes	LINDA M. NAJJAR Notery Public
My Commission Expires: 7/21		COMMONMENTIN OF MASSACHUSETTS 1/4/ Commission Expires July 21, 2017

State of Massachusetts Country of Mibble 54 On this 5 th day of Mibble 54 On this 5 th day of Mibble 54 On this 5 th day of Mibble 54 To said country, personally appeared Ethilist'S 7. KIM, who proved is one on the base you'de social there authorized on the tile person whose name is appearing on the mist member the person whose name is appearing on the mist member authorized because the same in which are authorized or pennity, and that by his/zer association on the mist member authorized or pennity, and that by his/zer association on the mist member authorized or pennity, and that by his/zer association on the mist member and the same and	Executed this 5th day	of December	, 20 <u>14</u> .	
State of Missis Agy of December 20 18 before me. Land May 11 (a notary public in and for said country), personally appeared BENESTS. EIM, who proved to me on the basis of saist-fleetory evidence to be the person whose name is satisfacthed to the within instrument and acknowledged to me thin before executed the same in insider entirely capacity, and that by his/her aignature on the instrument the person, or the ontity upon behalf of which the person acted, executed the instrument. WITNESS my hard and official seal. Signature. Adapta M. Nauja Public Secured this 5th day of December 20 14. Executed this 5th day of December 20 14. State of Missis Sample and Michigan State of Missis Sample and Missis Sam			ands	
Country of Mishle 4 On this 5 day of December 20 M, before me, June 10 M, before me, Ju	State of Massa choselb	. *******	ERNEST S.	KIM
for axid country), personally appeared RRNST S. KIM, who proved to me on the basis of sistifactory 6-vidences to be the person whose name is subscribed to the within instrument and acknowledged to me that helps because the same in histher sautherized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. WITNESS my hard and official seal. Signature: WY Commission Expires: 121/17 Executed this 5 day of December 20 14. State of Massachusetts On this day of December 20 14 before me. Ga notary public m and for said country), personally appeared MRTCHELL HANSBERRY, who proved to me on the basis of additional production of the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. WITNESS my hard and official seal. State of Massachusetts On this day of December 20 14 before me. Ga notary public m and for said country), personally appeared MRTCHELL HANSBERRY, who proved to me on the basis of additional capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. WITNESS my hard and siftigial seal. Signature: LINDA M. NAJJAR Notary Public Commission Expires. And A. Najjar Notary Public Commission Expires. And Y. J. 2017	County of Mille 5-4		1 1 ~ ~ ~ ~	
Executed this 5 day of December 20 14. State of Massehusetts On this 5 day of December 20 14 before me, Andrew in this fire authorized capacity, and that by his ther signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. With TNESS my hand and stripini seal. Signature Andrew My Commission Expires. 14411 My Commission Expires. 14411 Page 5 of 6	for said county), personally appeared ERNEST subscribed to the within instrument and acknow	 KIM, who proved to me or riedged to me that he/she exec 	n the basis of satisfactory evidence to outed the same in his/her authorized ca	be the person whose name is apacity, and that by his/her
Executed this 5 day of December 20 14. State of Massachusel's County of Midday On this day of December 20 14 before me. I and a substitution of the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her subscribed and only and subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her subscribed to the within instrument the person, or the entity upon behalf of which the person acted, executed the instrument. WITNESS my hand and official seal. Signature August 1. LINDA M. NAMAR Notary Public Notary Pu	WITNESS my hand and official seal.			RALLAN .N A
Executed this 5 day of December 20 14. State of Massichuseds County of Hillsry On this 5 day of December 20 14 before me, John Miller sufficient on the basis of satisfactory evidence to be the person whose name is subsensible to the within instrument and acknowledged to me that he's executed the same in his/five sufficienced capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. WITNESS my band and official scal. Signature Massichusetts My Lynn My Commission Expires. 1/4/17 LINDA M. Nassachusetts My 21, 2017 Page 5 of 6			MQ ∫ COMMONNEA NAV CO	LTH OF MASSACHUSETTS
State of Massachusels County of Midesul On this day of December 20 / before me, Massachusets evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her suthorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. WITNESS my handgrast difficial seat. Signature My Commission Expires. TAUM LINDAM NAJAM NOIGH PAUIC COMMONISTIAN OF MASSACHUSETTS My Corrections on Expires July 21, 2017 Page 5 of 6	My Commission Expires: 1 2/17			uly 21, 2017
State of Massachusels County of Milks of December 20 / before me, March 144 (a notary public on and for said county), possonally appeared MITCHELL HANSBERRY, who proved to me on the basis of saksisketary evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she exceuted the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. WITNESS my handgraid official seal. Signature My Commission Expires. TAUM LINDAM NAJAM NOTARY Public COMMONICATING OF MASSACHUSETTS My Commission Expires July 21, 2017 Page 5 of 6				
State of Missing State of State	Executed this _5**_day	of December	* 20 <u>//</u> 4.	
County of		4		
On this			MITCHELL HA	NSBERRY
name is subscribed to the within instrument and acknowledged to me that hershe executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. WITNESS my hand and official seal. Signature My Commission Expires. The commonwealth of massachuserrs my Commission Expires (airy 21, 2017) Page 5 of 6	County of <u>Midds of</u>	\$	A. Y.	
My Commission Expires. 7/4/	name is subscribed to the within instrument and	acknowledged to me that he/	she executed the same in his/her auth-	orized capacity, and that by
My Commission Expires July 21, 2017 Page 5 of 6	WITNESS my hand and official scal.			
My Commission Expires July 21, 2017 Page 5 of 6	Signature Chindes IV Reget			
Page 5 of 6	My Commission Expires. 7/4/17		Commonn	Notery Public ALTH OF MASSACHUSETTS Commission Expires July 21, 2017
w				
w				
	44-4704.1	Page 5 o	f6	

Atty. Dkt. No. 102590-0440 (CSDL-2034A)

Executed this <u>5</u> 4 day of <u>December</u> , 20 /4
Steph Bellio
. , STEPEHN BELLIO
State of Massa chuseHs)
County of Middles w)
On this 6 day of 20 before me, (a notary public in and for said county), personally appeared STEPEHN BELLIO, who proved to me on the basis of satisfactory (Alexee to be the person whose name subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
WITNESS my hand and afficial seal.
Signature Chule M. My
My Commission Expires: 7/2/// My Commission Expires: 7/2/// My Commission Expires: 4/21, 2017

RECORDED: 02/03/2015