

# PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>JONATHAN M. ROTHBERG</td> <td>10/01/2008</td> </tr> <tr> <td>WOLFGANG HINZ</td> <td>09/30/2008</td> </tr> <tr> <td>KIM L. JOHNSON</td> <td>10/03/2008</td> </tr> <tr> <td>JAMES BUSTILLO</td> <td>10/06/2008</td> </tr> </tbody> </table>		Name	Execution Date	JONATHAN M. ROTHBERG	10/01/2008	WOLFGANG HINZ	09/30/2008	KIM L. JOHNSON	10/03/2008	JAMES BUSTILLO	10/06/2008
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (617)646-8646  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 617-646-8000</p> <p>Email: patents_maryannet@wolfgreenfield.com</p> <p>Correspondent Name: Maria A. Trevisan</p> <p>Address Line 1: 600 Atlantic Avenue</p> <p>Address Line 2: Wolf, Greenfield &amp; Sacks, P.C.</p> <p>Address Line 4: Boston, MASSACHUSETTS 02210</p>											
ATTORNEY DOCKET NUMBER:	C1254.70001US03										
NAME OF SUBMITTER:	MARIA A. TREVISAN										
Total Attachments: 5											

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**PATENT**  
**REEL: 023843 FRAME: 0408**

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**ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, I the undersigned hereby:

Sell, assign and transfer to **Ion Torrent Systems Incorporated**, a Delaware corporation having a place of business at **37 Soundview Road, Guilford, CT 06437**, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on **December 14, 2007** under Serial No. **12/002,291**, bearing Attorney Docket No. **C1254.70001US01**, and entitled **METHODS AND APPARATUS FOR MEASURING ANALYTES USING LARGE SCALE FET ARRAYS**, and in and to said application and all non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on said inventions, including the right to apply for patent rights in each foreign country and all rights to priority;

Agree that said Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee;

Request the Honorable Director of the United States Patent and Trademark Office to issue said Letters Patent to said Assignee;

Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation;

Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and

Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

This instrument is executed under seal.

10/1/2008  
Date

Jonathan M. Rothberg  
Inventor: Jonathan M. Rothberg  
Address: 1701 Moose Hill Road  
Guilford, CT 06437

Citizenship: United States

STATE/Commonwealth of Connecticut :  
COUNTY OF New Haven :

On this 1<sup>st</sup> day of Oct, 2008 before me, the undersigned notary public, personally appeared **Jonathan M. ROTHBERG**, proved to me through satisfactory evidence of identification, which were \_\_\_\_\_, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL Linda Stevens  
Notary Public

My commission expires September 30, 2013

LINDA STEVENS  
NOTARY PUBLIC  
STATE OF CONNECTICUT  
My Commission Expires Sept. 30, 2013

This instrument is executed under seal.

9/30/2009  
Date

[Signature]  
Inventor: Wolfgang Hinz

Address: 625 Orange Street  
Apartment 5  
New Haven, CT 06511

Citizenship: Germany

STATE/Commonwealth of Connecticut :  
COUNTY OF New Haven :

On this 30<sup>th</sup> day of September, 2009, before me, the undersigned notary public, personally appeared **Wolfgang HINZ**, proved to me through satisfactory evidence of identification, which were Passport, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

[Signature]  
Notary Public

My commission expires Sept 30, 2013

LINDA STEVENS  
NOTARY PUBLIC  
STATE OF CONNECTICUT  
My Commission Expires Sept. 30, 2013

This instrument is executed under seal.

10-03-08  
Date

Kim L. Johnson  
Inventor: Kim L. Johnson

Address: 1847 Lotus Ct.  
Carlsbad, CA 92011

Citizenship: United States

STATE/Commonwealth of California :  
COUNTY OF San Diego :

On this 3 day of 10, 2008, before me, the undersigned notary public, personally appeared Kim L. JOHNSON, proved to me through satisfactory evidence of identification, which were CADL, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (~~her~~) knowledge and belief and acknowledged to me that (he) (~~she~~) signed it voluntarily for its stated purpose.

SEAL Ana Beltran  
Notary Public  
My commission expires Jul, 26, 2012



This instrument is executed under seal.

10-06-08  
Date

Inventor: James Bustillo

Address: 18396 Magee Way  
Castro Valley, CA 95646

Citizenship: United States

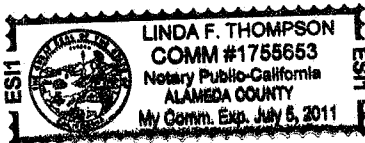
STATE/Commonwealth of California:

COUNTY OF Alameda:

On this 6<sup>th</sup> day of Oct, 2008, before me, the undersigned notary public, personally appeared James BUSTILLO, proved to me through satisfactory evidence of identification, which were CA driver license, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (~~her~~) knowledge and belief and acknowledged to me that (he) (~~she~~) signed it voluntarily for its stated purpose.

SEAL Linda F. Thompson  
Notary Public

My commission expires 7/5/11



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