

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>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> </tbody> </table>		Name	Execution Date	Jonathan M Rothberg	10/01/2008	Wolfgang Hinz	09/30/2008						
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Ion Torrent Systems Incorporated</td> </tr> <tr> <td>Street Address:</td> <td>37 Soundview Road</td> </tr> <tr> <td>City:</td> <td>Guilford</td> </tr> <tr> <td>State/Country:</td> <td>CONNECTICUT</td> </tr> <tr> <td>Postal Code:</td> <td>06437</td> </tr> </table>		Name:	Ion Torrent Systems Incorporated	Street Address:	37 Soundview Road	City:	Guilford	State/Country:	CONNECTICUT	Postal Code:	06437		
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CORRESPONDENCE DATA													
Fax Number:	(760)268-8393												
Email:	LifetechDocket@system.foundationip.com												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name:	Jonathan Putnam												
Address Line 1:	5791 Van Allen Way												
Address Line 2:	Life Technologies Corporation												
Address Line 4:	Carlsbad, CALIFORNIA 92008												
ATTORNEY DOCKET NUMBER:	LT00325.1 CIP												

CH \$200.00 13036673

NAME OF SUBMITTER:

Elizabeth Morgan

Total Attachments: 3

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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, Connecticut 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 17, 2007 under No. 12/002,781, bearing Attorney Docket No. C1254.70003US00, 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, including but not limited to Japan and Korea, 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;

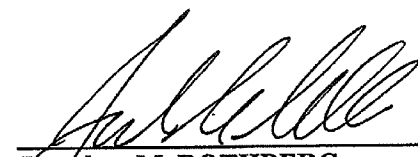
Request the Honorable Director of the United States Patent and Trademark Office to issue said Letters Patent to said Assignee;

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.

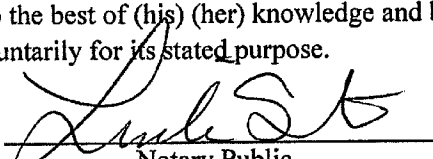
This instrument is executed under seal.

Date 10/1/2008  
Inventor:   
Address: 1701 Moose Hill Road  
Guilford, Connecticut 06437  
Citizenship: United States

STATE/Commonwealth Connecticut  
COUNTY New Haven:

On this 1<sup>st</sup> day of October, 2008, before me, the undersigned notary public, personally appeared Jonathan M. Rothberg, proved to me through satisfactory evidence identification, which 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

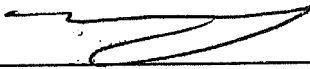
  
Notary Public

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.

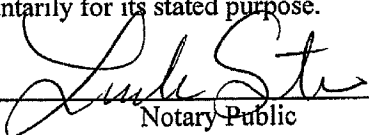
9/30/2008  
Date

  
Inventor: Wolfgang HINZ  
Address: 625 Orange Street  
Apt. 5  
New Haven, Connecticut 06511  
Citizenship: Germany

STATE/Commonwealth of Connecticut  
COUNTY New Haven:

On this 30<sup>th</sup> day of September, 2008, before me, the undersigned notary public, personally appeared Wolfgang Hinz, proved to me through satisfactory evidence identification, which 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

  
Notary Public

My commission expires: September 30 2013

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