# PATENT ASSIGNMENT COVER SHEET

**Electronic Version v1.1**  
**Stylesheet Version v1.2**  
**EPAS ID: PAT4370223**

## SUBMISSION TYPE:
NEW ASSIGNMENT

## NATURE OF CONVEYANCE:
ASSIGNMENT

### CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>YUQIANG TU</td>
<td>09/29/2015</td>
</tr>
<tr>
<td>PATRICK REYNOLDS</td>
<td>09/29/2015</td>
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### RECEIVING PARTY DATA

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<thead>
<tr>
<th>Name:</th>
<th>BENCHMARK TECHNOLOGIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Address:</td>
<td>7 KIMBALL LANE</td>
</tr>
<tr>
<td>Internal Address:</td>
<td>BLDG. E</td>
</tr>
<tr>
<td>City:</td>
<td>LYNNFIELD</td>
</tr>
<tr>
<td>State/Country:</td>
<td>MASSACHUSETTS</td>
</tr>
<tr>
<td>Postal Code:</td>
<td>01940</td>
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### PROPERTY NUMBERS Total: 1

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<tr>
<th>Property Type</th>
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<tr>
<td>Application Number</td>
<td>15487879</td>
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## CORRESPONDENCE DATA

**Fax Number:** (617)443-0004  
*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:** 617-443-9292  
**Email:** rmooney@sunsteinlaw.com  
**Correspondent Name:** SAMUEL J. PETUCHOWSKI  
**Address Line 1:** SUNSTEIN KANN MURPHY & TIMBERS LLP  
**Address Line 2:** 125 SUMMER STREET  
**Address Line 4:** BOSTON, MASSACHUSETTS 02110-1618

## ATTORNEY DOCKET NUMBER:
4192/1002

## NAME OF SUBMITTER:
SAMUEL J. PETUCHOWSKI

## SIGNATURE:
/ Samuel J. Petuchowski, #37,910/

## DATE SIGNED:
04/17/2017

Total Attachments: 2  
source=ram4192_1002_Assignment#page1.tif  
source=ram4192_1002_Assignment#page2.tif
ASSIGNMENT

ASSIGNORS: Yuqiang Tu
           Patrick Reynolds

ASSIGNEE: Benchmark Technologies
          7 Kimball Lane
          Bldg. E
          Lynnfield, MA 01940

TITLE: Phase-Shift Reticle for Characterizing a Beam

ATTORNEY DOCKET: 4192/1001

APPLICATION NO.: 14/865,903

FILING DATE: September 25, 2015

Assignor is a joint inventor of the above invention (the "Invention") described in a United States patent application (the "Application") bearing the above attorney docket number and having as a title the above name for the Invention. The Application has a Patent and Trademark Office filing date and application number as indicated above, or if no filing date and application number are shown, has a Declaration executed by Assignor contemporaneously with this Assignment.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application, any divisional, continuation-in-whole, or substitute United States application which is based on the Application; or any continuation-in-part United States application (including divisions, continuations-in-whole or -in-part, and substitutions thereof or therefor) based in-part on any of the above described applications.

Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein.
any and all countries and to vest title thereto in Assignee.

I hereby authorize and request Sunstein Kann Murphy & Timbers LLP 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.

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Date: 09/29/2015
____________________________________________
Yuqiang Tu, Assignor

Commonwealth of Massachusetts

County of Essex ss. September 29th, 2015

On this 29th day of September, 2015, before me, the undersigned notary public, personally appeared Yuqiang Tu, proved to me through satisfactory evidence of identification, which consisted of __________ , to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

Seal

YANA MATLIS
NOTARY PUBLIC
COMMONWEALTH OF MASSACHUSETTS
My Comm. Expires Aug. 22, 2019

Yana Matlis 9/29/2015
Notary Public
My commission expires: 08/22/2019

Date: 9/29/2015
____________________________________________
Patrick Reynolds, Assignor

Commonwealth of Massachusetts

County of Essex ss. September 29th, 2015

On this 29th day of September, 2015, before me, the undersigned notary public, personally appeared Patrick Reynolds, proved to me through satisfactory evidence of identification, which consisted of __________ , to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

Seal

YANA MATLIS
NOTARY PUBLIC
COMMONWEALTH OF MASSACHUSETTS
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