

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Ian W. Hunter</td> <td>07/19/2013</td> </tr> <tr> <td>Timothy M. Swager</td> <td>07/23/2013</td> </tr> <tr> <td>Zhengguo Zhu</td> <td>07/23/2013</td> </tr> </tbody> </table>		Name	Execution Date	Ian W. Hunter	07/19/2013	Timothy M. Swager	07/23/2013	Zhengguo Zhu	07/23/2013		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>PolyJoule, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>6 Oakdale Lane</td> </tr> <tr> <td>City:</td> <td>Lincoln</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>01773</td> </tr> </table>		Name:	PolyJoule, Inc.	Street Address:	6 Oakdale Lane	City:	Lincoln	State/Country:	MASSACHUSETTS	Postal Code:	01773
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PROPERTY NUMBERS Total: 3											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>61623887</td> </tr> <tr> <td>Application Number:</td> <td>13799152</td> </tr> <tr> <td>PCT Number:</td> <td>US2013030738</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	61623887	Application Number:	13799152	PCT Number:	US2013030738		
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CORRESPONDENCE DATA											
<p>Fax Number: 6176468646  <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_KarenM@wolfgreenfield.com</p> <p>Correspondent Name: Karen V. Martin</p> <p>Address Line 1: Wolf, Greenfield &amp; Sacks, P.C.</p> <p>Address Line 2: 600 Atlantic Avenue</p> <p>Address Line 4: Boston, MASSACHUSETTS 02210</p>											
ATTORNEY DOCKET NUMBER:	P0972.70000US00/US01/WO00										
NAME OF SUBMITTER:	Lucie DeBellis										

OP \$120.00 61623887

Signature:	/Lucie DeBellis/
Date:	08/09/2013
<b>Total Attachments: 8</b> source=P0972.70000US01-CASI-KVM#page1.tif source=P0972.70000US01-CASI-KVM#page2.tif source=P0972.70000US01-CASI-KVM#page3.tif source=P0972.70000US01-CASI-KVM#page4.tif source=P0972.70000US01-CASI-KVM#page5.tif source=P0972.70000US01-CASI-KVM#page6.tif source=P0972.70000US01-CASI-KVM#page7.tif source=P0972.70000US01-CASI-KVM#page8.tif	


## ASSIGNMENT

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

1. Sell, assign and transfer to PolyJoule, Inc., a Delaware corporation having a place of business at 6 Oakdale Lane, Lincoln, MA 01773, 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 April 13, 2012 under No. 61/623,887, bearing Attorney Docket No. P0972.70000US00, and entitled DEVICES AND METHODS INCLUDING POLYACETYLENES, Patent Application No. 13/799,152, filed March 13, 2013, bearing Attorney Docket No. P0972.70000US01, and entitled DEVICES AND METHODS INCLUDING POLYACETYLENES, and International Patent Application No. PCT/US2013/030738, filed March 13, 2013, bearing Attorney Docket No. P0972.70000WO00, and entitled DEVICES AND METHODS INCLUDING POLYACETYLENES, and in and to the application and all corresponding provisional, 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 China, Japan and Korea, on any of the 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 the inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea;
2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the 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 the inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to me relating to the inventions and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and for vesting title to the inventions and all applications for patents and all patents on the inventions, in the Assignee;
3. Request the Director of the United States Patent and Trademark Office to issue the Letters Patent to the Assignee;
4. 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;
5. Covenant with the 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
6. 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 and signed under the pains and penalties of perjury under the laws of the United States of America.

19 July 2013  
Date

  
Inventor: Ian W. Hunter  
Address: 6 Oakdale Lane  
Lincoln, Massachusetts 01773  
Citizenship: US

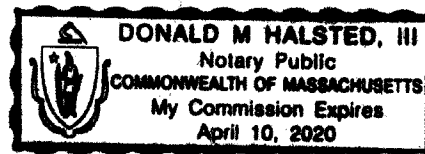
COMMONWEALTH OF MASSACHUSETTS  
COUNTY OF MIDDLESEX :

On this 19 day of JULY, 2013, before me, the undersigned notary public,  
personally appeared Ian W. Hunter, proved to me through satisfactory evidence of  
identification, which were MA DRIVERS 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

  
Notary Public

My commission expires: APRIL 10, 2020



\_\_\_\_\_  
Date

\_\_\_\_\_  
Inventor: Timothy M. Swager

Address: 18 Copley Street

Newton, Massachusetts 02458

Citizenship: US

COMMONWEALTH OF MASSACHUSETTS

COUNTY OF \_\_\_\_\_ :

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me, the undersigned notary public, personally appeared \_\_\_\_\_ Timothy M. Swager \_\_\_\_\_, 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

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_

\_\_\_\_\_  
Date

\_\_\_\_\_  
Inventor: Zhengguo Zhu

Address: 360 Littleton Road

Apartment A4

Chelmsford, MA 01824

Citizenship: People's Republic of China

COMMONWEALTH OF MASSACHUSETTS

COUNTY OF \_\_\_\_\_ :

On this \_\_\_\_\_ day of \_\_\_\_\_ , \_\_\_\_\_ , before me, the undersigned notary public,  
personally appeared \_\_\_\_\_ Zhengguo Zhu \_\_\_\_\_ , proved to me through satisfactory evidence of  
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3. Request the Director of the United States Patent and Trademark Office to issue the Letters Patent to the Assignee;
4. 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;
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\_\_\_\_\_  
Date

\_\_\_\_\_  
Inventor: Ian W. Hunter

Address: 6 Oakdale Lane

Lincoln, Massachusetts 01773

Citizenship: US

COMMONWEALTH OF MASSACHUSETTS

COUNTY OF \_\_\_\_\_ :

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me, the undersigned notary public, personally appeared \_\_\_\_\_ Ian W. Hunter \_\_\_\_\_, 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.

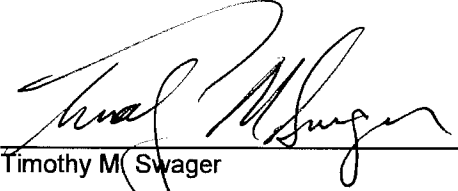
SEAL

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_



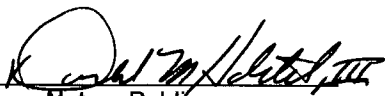
23 JULY 2013  
Date

  
Inventor: Timothy M. Swager  
Address: 18 Copley Street  
Newton, Massachusetts 02458  
Citizenship: US

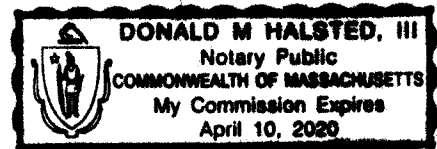
COMMONWEALTH OF MASSACHUSETTS  
COUNTY OF MIDDLESEX :

On this 23<sup>rd</sup> day of JULY, 2013, before me, the undersigned notary public,  
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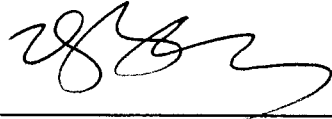
SEAL

  
Notary Public

My commission expires: APRIL 20, 2020



23 JULY 2013  
Date

  
Inventor: Zhengguo Zhu  
Address: 8 Meehan Drive  
Chelmsford, MA 01824  
Citizenship: People's Republic of China

COMMONWEALTH OF MASSACHUSETTS  
COUNTY OF \_\_\_\_\_ :

On this MIDDLESEX 23<sup>rd</sup> day of JULY, 2013, before me, the undersigned notary public, personally appeared Zhengguo Zhu, proved to me through satisfactory evidence of identification, which were MA DRIVERS 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

  
Notary Public

My commission expires:

APRIL 10, 2020

