

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM433977

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|---|--|-----------------------|-----------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT | | |
| NATURE OF CONVEYANCE: | ASSIGNMENT OF THE ENTIRE INTEREST AND THE GOODWILL | | |
| CONVEYING PARTY DATA | | | |
| Name | Formerly | Execution Date | Entity Type |
| GrafTech International Holdings Inc. | | 07/03/2017 | Corporation: DELAWARE |
| RECEIVING PARTY DATA | | | |
| Name: | Advanced Energy Technologies LLC | | |
| Street Address: | 6100 Oak Tree Boulevard | | |
| Internal Address: | Suite 300 Park Center I | | |
| City: | Independence | | |
| State/Country: | OHIO | | |
| Postal Code: | 44131 | | |
| Entity Type: | Limited Liability Company: DELAWARE | | |
| PROPERTY NUMBERS Total: 1 | | | |
| Property Type | Number | Word Mark | |
| Registration Number: | 4886579 | GRAF+ | |
| CORRESPONDENCE DATA | | | |
| Fax Number: | 3128622200 | | |
| <i>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.</i> | | | |
| Phone: | 3128628738 | | |
| Email: | michelle.nowicki@kirkland.com | | |
| Correspondent Name: | Michelle Nowicki | | |
| Address Line 1: | 300 N. LaSalle | | |
| Address Line 4: | Chicago, ILLINOIS 60654 | | |
| ATTORNEY DOCKET NUMBER: | 15913-23 MN | | |
| NAME OF SUBMITTER: | Michelle Nowicki | | |
| SIGNATURE: | /Michelle Nowicki/ | | |
| DATE SIGNED: | 07/06/2017 | | |
| Total Attachments: 5 | | | |
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INTELLECTUAL PROPERTY ASSIGNMENT

THIS INTELLECTUAL PROPERTY ASSIGNMENT (this "Assignment") is dated as of July 3, 2017, and effective as of June 30, 2017 ("Effective Date") by and between **GRAFTECH INTERNATIONAL HOLDINGS INC.**, a Delaware corporation ("Assignor"), and **ADVANCED ENERGY TECHNOLOGIES LLC**, a Delaware limited liability company ("Assignee").

WHEREAS, Assignor and Assignee are parties to that certain Supplemental Asset Assignment Agreement dated as of the date hereof (the "Agreement");

WHEREAS, pursuant to the Agreement, Assignor agreed to assign to Assignee certain assets, including: (i) the trademark registrations and applications set forth on Schedule A attached hereto, including any registrations and applications therefor, any renewals and extensions of registrations, and all other corresponding rights, and in each case, together with the goodwill of the business associated therewith (collectively, the "Marks"); and (ii) the patents and patent applications set forth on Schedule B attached hereto, including any continuations, divisions, continuations-in-part, reissues, reexaminations, extensions or equivalents thereof, and including any right to exclude that may be associated with the subject matter of all claims which may be obtained therefrom (collectively, the "Patents" and together with the Marks, the "Assigned Intellectual Property"); and

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor hereby sells, assigns, delivers, transfers, and sets over to Assignee its entire right, title and interest in and to the Assigned Intellectual Property, for the United States and for all other countries, including, without limitation, all rights therein provided by international conventions and treaties, for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors, assigns or other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made, together with all income, royalties or payments due or payable as of the Effective Date or thereafter, including, without limitation, all claims for damages by reason of past, present or future infringement or other unauthorized use of the Assigned Intellectual Property, with the right to sue for, and collect the same for Assignee's own use and enjoyment and for the use and enjoyment of its successors, assigns or other legal representatives. Assignor agrees that no rights in the Assigned Intellectual Property are retained by Assignor.

Assignor hereby requests the Commissioner of Patents and Trademarks, the Register of Copyrights, and the corresponding entities or agencies in any other applicable jurisdiction, to record Assignee as the assignee and owner of the Assigned Intellectual Property.

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IN WITNESS WHEREOF, Assignor and Assignee have caused this Assignment to be executed by their duly authorized representatives as of the Effective Date.

GRAFTECH INTERNATIONAL
HOLDINGS INC.

ADVANCED ENERGY TECHNOLOGIES
LLC

By: _____

By:  _____

Name: Jeffrey C. Dutton

Name: Robert A. Reynolds III

Title: President

Title: President

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SCHEDULE A

TRADEMARK REGISTRATIONS AND APPLICATIONS

| Mark | Jurisdiction | App. No. | Filing Date | Registration No. | Registration Date |
|-------------|---------------------|-----------------|--------------------|-------------------------|--------------------------|
| GRAF+ | US | 86339778 | 17-JUL-2014 | 4886579 | 12-JAN-2016 |

SCHEDULE B**PATENTS AND PATENT APPLICATIONS**

| Patent Title | Jurisdiction | Application No. | Filing Date | Patent No. | Issue Date |
|---|---------------------|------------------------|--------------------|-------------------|-------------------|
| Apparatus for forming a resin impregnated flexible graphite sheet | U.S. | 09906281 | 7/16/2001 | 6923631 | 8/2/2005 |
| Portable electronic device thermal management system | U.S. | 14771299 | 8/28/2015 | 9673494 | 6/6/2017 |
| Hydrophobic fuel cell electrode | U.S. | 10184840 | 6/28/2002 | 6902841 | 6/7/2005 |
| Hydrophobic fuel cell electrode | U.S. | 09706532 | 11/3/2000 | 6605379 | 8/12/2003 |
| Intumescent composition and method | U.S. | 09002347 | 1/2/1998 | 6228914 | 5/8/2001 |
| Thermal solution for electronic devices | U.S. | 10722364 | 11/25/2003 | 6982874 | 1/3/2006 |
| Thermal solution for portable electronic devices | U.S. | 11176596 | 7/7/2005 | 7292441 | 11/6/2007 |
| | U.S. | 62408873 | 10/17/2016 | — | — |
| | U.S. | 62430537 | 12/6/2016 | — | — |