

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | MERGER |
| EFFECTIVE DATE: | 09/30/2007 |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------------------|----------------|
| Advanced Energy Technology Inc. | 09/30/2007 |

RECEIVING PARTY DATA

| | |
|-------------------|--------------------------------------|
| Name: | GrafTech International Holdings Inc. |
| Street Address: | 12900 Snow Road |
| Internal Address: | Attn: Jenn Radike |
| City: | Parma |
| State/Country: | OHIO |
| Postal Code: | 44130 |

PROPERTY NUMBERS Total: 59

| Property Type | Number |
|---------------------|----------|
| Application Number: | 11001698 |
| Application Number: | 10185036 |
| Application Number: | 11452829 |
| Application Number: | 09826227 |
| Application Number: | 10022782 |
| Application Number: | 10184816 |
| Application Number: | 10185085 |
| Application Number: | 11087092 |
| Application Number: | 11086768 |
| Application Number: | 10260658 |
| Application Number: | 10849636 |
| Application Number: | 10833928 |
| Application Number: | 11568472 |

CH \$2360.00 11001698

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|---------------------|-----------|
| Application Number: | 10925676 |
| Application Number: | 11256613 |
| Application Number: | 10496715 |
| Application Number: | 10328302 |
| Application Number: | 10273756 |
| Application Number: | 11176959 |
| Application Number: | 11543714 |
| Application Number: | 10745402 |
| Application Number: | 11176596 |
| Application Number: | 10787796 |
| Application Number: | 11590115 |
| Application Number: | 11590061 |
| Application Number: | 11103348 |
| Application Number: | 10959416 |
| Application Number: | 10943791 |
| Application Number: | 10943338 |
| Application Number: | 11327832 |
| Application Number: | 11058912 |
| Application Number: | 11045457 |
| Application Number: | 11085629 |
| Application Number: | 11223804 |
| Application Number: | 11167935 |
| Application Number: | 11225491 |
| Application Number: | 11167938 |
| Application Number: | 11220349 |
| Application Number: | 11267933 |
| Application Number: | 11377662 |
| Application Number: | 11273629 |
| Application Number: | 11339338 |
| Application Number: | 11742812 |
| Application Number: | 11531171 |
| Application Number: | 11861355 |
| Application Number: | 11613233 |
| Application Number: | 11609121 |
| PCT Number: | US0623597 |

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|-------------|-----------|
| PCT Number: | US0767035 |
| PCT Number: | US0661569 |
| PCT Number: | US0601809 |
| PCT Number: | US0602005 |
| PCT Number: | US0620913 |
| PCT Number: | US0620912 |
| PCT Number: | US0632673 |
| PCT Number: | US0762642 |
| PCT Number: | US0660823 |
| PCT Number: | US0661588 |
| PCT Number: | US0768119 |

CORRESPONDENCE DATA

Fax Number: (216)676-2462
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 216-676-2176
Email: jennifer.radike@graftech.com
Correspondent Name: GrafTech International Holdings Inc.
Address Line 1: 12900 Snow Road
Address Line 2: Attn: Jenn Radike
Address Line 4: Parma, OHIO 44130

ATTORNEY DOCKET NUMBER:

AET TO GTIH MERGER

NAME OF SUBMITTER:

Timothy R. Krogh

Total Attachments: 4
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Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"ADVANCED ENERGY TECHNOLOGY INC.", A DELAWARE CORPORATION, WITH AND INTO "UCAR CARBON COMPANY INC." UNDER THE NAME OF "GRAFTECH INTERNATIONAL HOLDINGS INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-FIFTH DAY OF SEPTEMBER, A.D. 2007, AT 10:37 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF OWNERSHIP IS THE THIRTIETH DAY OF SEPTEMBER, A.D. 2007.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

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071048192



Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 6030661

DATE: 09-26-07

PATENT
REEL: 019962 FRAME: 0026

CERTIFICATE OF OWNERSHIP AND MERGER
MERGING
ADVANCED ENERGY TECHNOLOGY INC.
INTO
UCAR CARBON COMPANY INC.

(Subsidiary into parent pursuant to Section 253 of the General Corporation Law of Delaware)

UCAR Carbon Company Inc. (the "Corporation"), a corporation incorporated on the 26th day of October 1988, pursuant to the provisions of the General Corporation Law of the State of Delaware,

DOES HEREBY CERTIFY:

FIRST: That the Corporation lawfully owns approximately 93.1% of the outstanding shares of Class A common stock and 100% of the outstanding shares of Class B common stock of Advanced Energy Technology Inc. ("AET"), a Delaware corporation incorporated on the 30th day of August 1999, and that the Corporation, in a consent action in lieu of a meeting of its Board of Directors, pursuant to Section 141 of the General Corporation Law of the State of Delaware, determined to and did merge with and into itself said AET, and duly adopted resolutions on September 19, 2007, which resolutions are in the following words to wit:

WHEREAS, the Corporation lawfully owns approximately 93.1% of the outstanding shares of Class A common stock and 100% of the outstanding shares of Class B common stock of Advanced Energy Technology Inc. ("AET"), a corporation organized and existing under the laws of the State of Delaware, and

WHEREAS, the Corporation desires to merge AET with and into itself, with the Corporation being the surviving corporation, and to be possessed of all the estate, property, rights, privileges and franchises of AET and to assume all of its liabilities and obligations.

NOW, THEREFORE, BE IT RESOLVED, that the Corporation merge AET with and into itself, with the Corporation being the surviving corporation, and be possessed of all the estate, property, rights, privileges and franchises of AET and assumes all of its obligations, and

FURTHER RESOLVED, that an authorized officer of the Corporation be and he or she is hereby directed to make and execute a certificate of ownership and merger setting forth a copy of the resolution to merge AET with and into the Corporation and to assume its liabilities and obligations, and the date of adoption

thereof, and to file the same in the office of the Secretary of State of Delaware, and a certified copy thereof in the office of the Recorder of Deeds of New Castle County, as applicable; and

FURTHER RESOLVED, that the officers of the Corporation be and they hereby are authorized and directed to do all acts and things whatsoever, whether within or without the State of Delaware, which may be in any way necessary or proper to effect said merger; and

FURTHER RESOLVED, that the consideration to be paid by the Corporation to the stockholder other than the Corporation for each share of common stock of AET held by them, upon surrender thereof to the Corporation, shall be the fair value per such share as determined by the Board based on information from an independent investment banking firm; and

FURTHER RESOLVED, that the Corporation change its corporate name as part of the merger by changing the First Article of its Restated Certificate of Incorporation to read as follows:

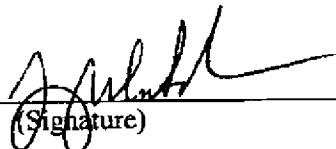
FIRST: NAME

The name of the Corporation is GrafTech International Holdings Inc. (the "Corporation").

FURTHER RESOLVED, that the merger shall become effective on September 30, 2007.

SECOND: That anything herein or elsewhere to the contrary notwithstanding, this merger may be amended or terminated and abandoned by the Board of Directors of UCAR Carbon Company Inc. at any time prior to the time that this merger filed with the Secretary of State becomes effective.

IN WITNESS WHEREOF, the Corporation has caused its corporate seal to be affixed and this Certificate to be signed by an authorized officer this 19th day of September 2007.

By: 
(Signature)

Name: Gary R. Whitaker

Title: Secretary