FORM PTO-1595 U.S. DEPARTMENT OF COMMERCE 08-11-2004 (Rev. 03/01) Patent and Trademark Office OMB No. 0651-0027 (exp. 5/31/2002) Tab settings ⇔⇔⇔ 102811884 To the Honorable Commissioner of Patento Lhed original documents or copy thereof. 2. Name and address of receiving party(ies) 1. Name of conveying party(ies): Advanced Energy Technology Inc. Jeremy Klug 12900 Snow Road Parma, OH 44130 Additional name(s) of conveying party(ies) attached? No Additional name(s) & address(es) attached? No o 3. Nature of conveyance: Assignment Execution Date: June 30, 2004 4. Application number(s) or patent number(s): B. Patent No.(s): A. Patent Application No.(s): 10/766,420 Additional numbers attached?
Yes
No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: WADDEY & PATTERSON 7. Total fee (37 CFR 3.41):..... \$40.00 BANK OF AMERICA PLAZA, SUITE 2020 The fee is enclosed **414 UNION STREET** NASHVILLE, TN 37219 8. Deposit account number: Customer No. 23456 50-1202 (Attach duplicate copy of this page if paying by deposit account.)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

James R. Cartiglia, Reg. No. 30,738

Name of Person Signing

Signature

Total number of pages including cover sheet, attachments, and document: 4

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PATENT REEL: 015656 FRAME: 0929 ASSIGNMENT

In consideration of the payment of one (\$1.00) dollar, and for other good

and valuable consideration, the receipt of which is hereby acknowledged,

Jeremy Klug ("Assignor") assigns to Advanced Energy Technology Inc. of

Wilmington, Delaware ("Assignee"), his entire right, title, and interest in and

to an invention entitled "VARIABLY IMPREGNATED FLEXIBLE GRAPHITE

MATERIAL AND METHOD" (the "Invention"), and in any and all patents,

reissue patents, certificates of inventorship, design registrations, utility

models, and the like, that may be granted in the U.S. or in any foreign country

with respect to the Invention and improvements thereto, and in any

application, including continuations, continuations-in-part, or divisions, that

may be filed with respect to the Invention or improvements thereto, including

pending U.S. Patent Application Serial Number 10/766,420, filed January 28,

2004.

Assignor will, without additional charge to Assignee but at Assignee's

expense, cooperate with and assist Assignee such that Assignee may realize

and fully enjoy all the rights assigned hereunder, including the preparation and

execution of all papers needed by Assignee, and providing such information and

assistance as may reasonably be required by Assignee in any administrative or

legal proceeding to obtain or protect such rights.

PATENT

REEL: 015656 FRAME: 0930

Assignor represents and warrants that he has not publicly used or disclosed the Invention, and that he has not previously sold or offered to sell the Invention.

Assignor represents and warrants that he has not transferred, licensed, and/or assigned any interest in the Invention to anyone other than Assignee, and that he has not entered into any contract, assignment, or license conveying any right granted to Assignee hereunder, or that would otherwise conflict with this Assignment.

This Assignment and each of its terms shall be binding on Assignor, his representatives, heirs and assigns, and shall inure to the benefit of Assignee, its successors, and assigns.

June 30th 2004

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| STATE OF | Ohia | |

COUNTY OF Cyahoga Before me, Jane Kelly Edler, a Notary Public of the state and county aforesaid, personally appeared Jeremy Klug, with whom I am personally acquainted, or proved to me on the basis of satisfactory evidence, and who upon oath, acknowledged himself to be the within named Assignor, and that he executed the foregoing instrument for the purposes therein contained.

This 30 day of June, 2004.

My commission expires: 4, 2008

Jane Kelly Solle

Jane Kelly Edler

Notary Public

State of Ohio

My Comm. Exp. 2-4-2008

PATENT REEL: 015656 FRAME: 0931

RECORDED: 08/09/2004