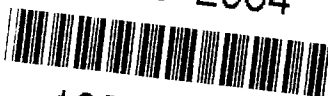


10-20-2004



102863045

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Charles C. Chiu
Irwin Charles Lewis
Ching-Feng Chang

Additional name(s) of conveying party(ies) attached? No

2. Name and address of receiving party(ies)

Name: Advanced Energy Technology Inc.

Street Address: 12900 Snow Road

City: Parma ST: OH ZIP 44130

Additional name(s) & address(es) attached? No

10/18/04

OCT 19 2004
PTO/PTAB/USPTO

3. Nature of conveyance:

Assignment

Execution Dates: Oct. 1, 2004

Sept. 13, 2004

Sept. 9, 2004

4. Application number(s) or patent number(s):

A. Patent Application No.(s): 10/865 284

Additional numbers attached? ☐ Yes ☐ No

B. Patent No.(s):

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: WADDEY & PATTERSON

Internal Address: BANK OF AMERICA PLAZA

SUITE 2020

Street Address: 414 UNION STREET

City: NASHVILLE State: TN Zip: 37219

Customer No. 23456

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):..... \$40.00

The fee is authorized to be charged to deposit account.

8. Deposit account number: 21-0010

(Attach duplicate copy of this page if paying by deposit account.)

DO NOT USE THIS SPACE

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

Date

10/14/04

Total number of pages including cover sheet, attachments, and document: 5

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents, Mail Stop Assignment Recordation Services
P.O. Box 1450
Alexandria, VA 22313-1450

10/19/2004 6TOM11 00000045 210010 10865294

01 FC:8021

40.00 DA

PATENT
REEL: 015888 FRAME: 0014

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, Charles C. Chiu, Irwin Charles Lewis, and Ching-Feng Chang ("Assignors") assign to UCAR Carbon Company, Inc. of Wilmington, Delaware ("Assignee") their entire right, title, and interest in and to an invention entitled "ISOTROPIC PITCH-BASED MATERIALS FOR THERMAL INSULATION" (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 10/865,294, filed June 10, 2004.

Assignors 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.

Assignors represent and warrant that they have not publicly used or disclosed the Invention, and that they have not previously sold or offered to sell the Invention.

Assignors represent and warrant that they have not transferred, licensed, and/or assigned any interest in the Invention to anyone other than Assignee, and that they have 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 each Assignor, his representatives, heirs and assigns, and shall inure to the benefit of Assignee, its successors, and assigns.

Charles C. Chiu
Charles C. Chiu

10-1-04
Date

STATE OF Ohio
COUNTY OF Cuyahoga

Before me, Jane Kelly Edler, a Notary Public of the state and county aforesaid, personally appeared Charles C. Chiu, 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 joint Assignor, and that he executed the foregoing instrument for the purposes therein contained.

This 1 day of October, 2004.

Jane Kelly Edler
Notary Public

My commission expires: February 4, 2008

Jane Kelly Edler
Notary Public
State of Ohio
My Comm. Exp. 2-4-2008

Irwin Charles Lewis
Irwin Charles Lewis

9/13/04
Date

STATE OF Ohio
COUNTY OF Cuyahoga

Before me, Jane Kelly Edler, a Notary Public of the state and county aforesaid, personally appeared Irwin Charles Lewis, 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 joint Assignor, and that he executed the foregoing instrument for the purposes therein contained.

This 13 day of September, 2004.

Jane Kelly Edler
Notary Public

My commission expires: February 4, 2008

Jane Kelly Edler
Notary Public
State of Ohio
My Comm. Exp. 2-4-2008

Ching-Feng Chang
Ching-Feng Chang

Sep 9, 2004
Date

STATE OF Ohio
COUNTY OF Cuyahoga

Before me, Jane Kelly Edler, a Notary Public of the state and county aforesaid, personally appeared Ching-Feng Chang, 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 joint Assignor, and that he executed the foregoing instrument for the purposes therein contained.

This 9 day of September, 2004.

Jane Kelly Edler
Notary Public

My commission expires: February 4, 2008

Jane Kelly Edler
Notary Public
State of Ohio
My Comm. Exp. 2-4-2008