



08-30-2002

FORM PTO - 1595  
1-31-92

R.



U.S. DEPARTMENT OF COMMERCE

102233041

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

8/27/02

2. Name and address of receiving party (ies):

Name: UCAR Carbon Company Inc.  
Internal Address:  
Street  
Address: 1521 Concord Pike, Suite 301  
Brandywine West Building  
Wilmington, Delaware 19803

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

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other

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

Execution Date: 8/8/02; 8/5/02; 8/1/02 respectively

4. Application number (s) or patent number (s): Serial No. 10/184,850

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) B. Patent No.(s)  
Additional numbers attached? Yes  No

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

Name: Timothy R. Krogh  
UCAR Carbon Company Inc.  
Internal Address: Brandywine West Building, Suite 301  
Street Address: 1521 Concord Pike  
City: WILMINGTON State: DE Zip: 19803

6. Total Number of applications and patents involved: (1)

7. Total Fee (37 CFR 3.41) \$ 40.00  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number: 21-0010  
(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.

Timothy R. Krogh [Signature] 8/13/02  
Name of Person Signing Reg. 40,688 Signature Date

Attorney Docket # P-2020: Total number of pages including cover sheet, attachments, and document: (4)

OMB No. 0651-0011 (exp. 4/94)

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ASSIGNMENT

We, the undersigned, Charles C. Chiu of 18555 Heritage Trail, Strongsville, OH 44136, Irwin Charles Lewis of ~~595 Moek Orange Circle, Chagrin Falls, OH 44023~~, and Ching-Feng Chang of ~~19314 Saratoga Trail, Strongsville, OH 44136~~ <sup>JCL</sup> 17100 Valley Creek, Strongsville, OH 44136

HEREBY STATE UNDER OATH that we are the original, first and joint inventors of an invention for **ISOTROPIC PITCH-BASED MATERIALS FOR THERMAL INSULATION** as described and/or claimed in our application for Letters Patent in the United States of America, which was filed on June 28, 2002, and awarded application Serial No. 10/184,850.

NOW, THEREFORE, for one (1) dollar and other good and valuable consideration, the sufficiency of which is hereby acknowledged, we do hereby assign, transfer and sell to UCAR CARBON COMPANY INC., a corporation organized and existing under the laws of the State of Delaware, United States of America, its successors and assigns, having an office at 1521 Concord Pike, Suite 301, Brandywine West Building, Wilmington, Delaware 19803, United States of America as Assignee, without any restrictions, reservations or limitations, our entire right, title, and interest in and to the aforesaid invention and application for Letters Patent and all patents which may be granted thereon, and all divisions, continuations, continuations-in-part, reissues, and extensions thereof;

INCLUDING ALL RIGHTS in and to said invention in any country of the world, including, but not limited to, all priority rights derived from the aforesaid application for Letters Patent by virtue of the International Convention for the Protection of Industrial Property, for any and all member countries of the aforesaid International Convention;

AND FURTHER INCLUDING THE SOLE RIGHT to file such applications under the Patent Laws of any country of the world in its name and/or ours, and the sole right to have patents granted on said applications in its name and/or ours to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held by us had this assignment not been made, and to enforce said patents with our right to sue for and recover accrued profits or damages for any and all infringements thereof;

AND agree that we will communicate to said UCAR CARBON COMPANY INC., or its representatives any facts known to us respecting said invention and testify in legal proceedings, sign all lawful papers, execute all divisional, continuing, reissue and other applications, make all rightful oaths and generally do everything possible to aid said UCAR CARBON COMPANY INC., its successors, assigns, and nominees, to obtain and enforce proper protection for said invention in all countries.

SIGNED AND SEALED at Parma this 8<sup>th</sup> day of August, 2002.

Charles C. Chiu  
Charles C. Chiu

State of Ohio )

County of Cuyahoga ) ss:

This 8<sup>th</sup> day of August, 2002, before me personally came the above-named **Charles C. Chiu** to me personally known as the individual who executed the foregoing assignment, who has acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Lori Hoffmann  
Notary Public

(Seal)

LORI B. HOFFMAN  
Notary Public, State of Ohio, Cuy. Cty.  
My Commission Expires Aug. 9, 2004

PATENT

SIGNED AND SEALED at Parma this 5<sup>th</sup> day of August, 2002.

Irwin Charles Lewis  
Irwin Charles Lewis

State of Ohio )

County of Cuyahoga )

ss:

This 5<sup>th</sup> day of August, 2002, before me personally came the above-named **Irwin Charles Lewis** to me personally known as the individual who executed the foregoing assignment, who has acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Lori B. Hoffmann  
Notary Public

**LORI B. HOFFMAN**

**Notary Public, State of Ohio, Cuy. Cty.  
My Commission Expires Aug. 9, 2004**

(Seal)

SIGNED AND SEALED at Parma this 1<sup>st</sup> day of AUGUST, 2002.

Ching-Feng Chang  
Ching-Feng Chang

State of Ohio )

County of Cuyahoga )

ss:

This 1<sup>st</sup> day of August, 2002, before me personally came the above-named **Ching-Feng Chang** to me personally known as the individual who executed the foregoing assignment, who has acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Lori B. Hoffmann  
Notary Public

**LORI B. HOFFMAN**

**Notary Public, State of Ohio, Cuy. Cty.  
My Commission Expires Aug. 9, 2004**

(Seal)