

11-28-2006

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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office



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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 103341471 2006 NOV 27 PM 11:28

1. Name of conveying party(ies): 11-27-06

Douglas J. Miller  
Irwin C. Lewis  
David R. Ball

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

2. Name and address of receiving party(ies)

UCAR Carbon Company Inc.  
12900 Snow Road  
Parma, Ohio 44130

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

3. Nature of conveyance:

Assignment

Execution Dates: October 24, 2006; October 27, 2006;  
November 10, 2006

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

A. Patent Application No.(s): 11/531,059

B. Patent No.(s):

Additional numbers attached? No

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

WADDEY & PATTERSON  
ROUNDAABOUT PLAZA, SUITE 500  
1600 DIVISION STREET  
NASHVILLE, TN 37203  
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.)

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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

Date

11/22/06

Total number of pages including cover sheet, attachments, and document: 6

11/27/2006 DBYRNE 00000184 210010 Mailed 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

01 FC:8021

(40.00 DA)

PATENT  
REEL: 018628 FRAME: 0026

## 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, Douglas J. Miller, Irwin C. Lewis, and David R. Ball, ("Assignors") assign to UCAR Carbon Company Inc. of Parma, Ohio ("Assignee") their entire right, title, and interest in and to an invention entitled "LOW CTE HIGHLY ISOTROPIC GRAPHITE" (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 11/531,059, filed September 12, 2006.

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.

Douglas J. Miller  
Douglas J. Miller

10-24-06  
Date

STATE OF OHIO  
COUNTY OF CUYAHOGA

Before me, Carol A. McAlonis, a Notary Public of the state and county aforesaid, personally appeared Douglas J. Miller, 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 24<sup>th</sup> day of October, 2006.

Carol A. McAlonis  
Notary Public

My commission expires: \_\_\_\_\_

CAROL A. McALONIS  
Notary Public, State of Ohio  
Recorded in Cuyahoga County  
My Comm. Expires Oct. 23, 2010

Irwin C. Lewis  
Irwin C. Lewis

10/27/06  
Date

STATE OF OHIO  
COUNTY OF CUYAHOGA

Before me, Carol A. McAlonis, a Notary Public of the state and county aforesaid, personally appeared Irwin C. 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 27<sup>th</sup> day of October, 2006.

Carol A. McAlonis  
Notary Public

My commission expires: \_\_\_\_\_

CAROL A. McALONIS  
Notary Public, State of Ohio  
Recorded in Cuyahoga County  
My Comm. Expires Oct. 23, 2010

David R Ball

David R. Ball

11/10/2006

Date

STATE OF

Ohio

COUNTY OF

Cuyahoga

Before me, DAVID R Ball, a Notary Public of the state and county aforesaid, personally appeared David R. Ball, 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 10 day of Nov, 2006.

Cheryl L Nodge

Notary Public

My commission expires:

4 / 26 / 2010

CHERYL L. NODGE

Notary Public, State of Ohio

Cuyahoga County

My Commission Expires April 26, 2010

PATENT

RECORDED: 11/27/2006

REEL: 018628 FRAME: 0031