

FORM PTO-1619A  
Expires 08/30/99  
OMB 0651-0027

U.S. Department of Commerce  
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S-101885

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Name (line 1) UT-BATTELLE, LLC

Execution Date  
Month Day Year  
5/7/2004

Name (line 2)

Second Party

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1) U. S. Department of Energy

Name (line 2)

Address (line 1) 1000 Independence Avenue, S.W.

Address (line 2)

Address (line 3) Washington

D.C.

20585-0162

City

State/Country

Zip Code

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FORM PTO-1619B

Expires 06/30/99  
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U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

## Correspondent Name and Address

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Name Brenda K. Banks

Address (line 1) U. S. Department of Energy

Address (line 2) 1000 Independence Avenue, S.W.

Address (line 3) Washington, D. C. 20585-0162

Address (line 4)

## Pages

Enter the total number of pages of the attached conveyance document  
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# 1

## Application Number(s) or Patent Number(s)

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Patent Application Number(s)

10/770,734

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application  
was

Month Day Year

## Patent Cooperation Treaty (PCT)

Enter PCT application number  
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has not been assigned.PCT PCT PCT  
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## Number of Properties

Enter the total number of properties involved.

# 1

## Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ 0.00

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Deposit Account

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indicated herein.

Brenda K. Banks

Name of Person Signing

Signature

Date

10/770,734  
DOE Docket ID 1297.0  
S-101,885

**CONFIRMATORY LICENSE**

Title: Robust Carbon Monolith Having Hierarchical Porosity  
Inventor(s): Sheng Dai, Georges A. Guiochon, and Chengdu Liang  
Serial No.: 10/770,734  
Filing Date (U.S.): February 3, 2004  
Contractor: UT-Battelle, LLC  
DOE Contract No.: DE-AC05-00OR22725

The invention identified above is a "Subject Invention" under the above-numbered contract. A copy of the provision of the above-numbered contract (certified on 04-13-00) governing patent rights in the Subject Invention at the time the invention was made, has been submitted to the U. S. Department of Energy.

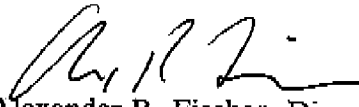
The Contractor hereby confirms that under the provisions of the above-numbered contract governing patent rights, it has granted to the Government a nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the subject invention throughout the world. This license applies to the invention in the above-identified patent application and any and all divisions or continuations thereof and any resulting patent or reissue patent which may be granted thereon.

It is understood and agreed that this document does not preclude the Government from asserting rights under the provisions of said contract or any other agent between the Government and the Contractor, or any other rights of the Government with respect to the above-identified invention.

The Contractor hereby grants the Government an irrevocable power to inspect and make copies of the above-identified application.

Signed this 7<sup>th</sup> day of May, 2004.

UT-Battelle, LLC

By   
Alexander R. Fischer, Director  
Technology Transfer and Economic Development