

07-23-2001

To the Honorable Commissioner

101785226

... original documents or copy thereof.

## 1. Name of conveying part(ies):

James L. Gole  
John D. Stout  
Mark G. White

7-12-01

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

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

Name: Georgia Tech Research Corporation  
Street Address: 400 Tenth Street  
Centennial Research Building

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

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other:

Execution Date: May 29, 2001

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

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)

09/820,413

Additional numbers attached? ☐ Yes ☒ No

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

Scott A. Horstemeyer  
Thomas, Kayden, Horstemeyer & Risley, L.L.P.  
100 Galleria Parkway, Suite 1750  
Atlanta, Georgia 30339-5948

## 6. Total number of applications/patents involved: [ 1 ]

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

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

## 8. Deposit Account Number:

20-0778

(Attach duplicate copy of this page if paying by Deposit Account)

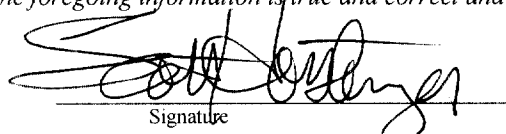
DO NOT USE THIS SPACE

## 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.

Scott A. Horstemeyer

Typed Name



Signature

07/09/01

Date

Docket #: 62004-1660

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

07/26/2001 INVELLER 00000075 09820413

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AssignCoverSht.doc

Documents to be recorded with required cover sheet information to:  
Assistant Commissioner for Patents, Box Assignments  
Washington, D.C. 20231

PATENT  
REEL: 011989 FRAME: 0188

**ASSIGNMENT  
OF UTILITY PATENT APPLICATION**

WHEREAS, the following parties:

<u>Name</u>	<u>Address</u>
James L. Gole	350 Rock Springs Road, Atlanta, GA 30324
John D. Stout	110A Hemphill Apartments, Atlanta GA 30332
Mark G. White	1548 Lake Koinonia Drive, Woodstock, GA 30189

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements ("invention(s)") as described and set forth in the below-identified utility application for United States Letters Patent entitled:

**SILICON BASED NANOWIRES AND NANOSPHERES,**

which was:

- ☐ executed on even date herewith,
- ☒ filed with the United States Patent and Trademark Office (USPTO) on March 29, 2001, and assigned Serial No. 09/820,413, and
- ☒ further described in U.S. Provisional application entitled Silicon Based Nanowires and Nanospheres, filed with the USPTO on March 29, 2000, and assigned Serial No. 60/192,846 and U.S. Provisional application entitled New Cu/SiO<sub>2</sub> Based Catalyst for Selective Ethanol-acetaldehyde Conversion, filed with the USPTO on March 29, 2000, and assigned Serial No. 60/192,844.

*Note: Only one of the first two checkboxes will be checked. The third checkbox will be checked, only if appropriate.*

WHEREAS, Georgia Tech Research Corporation, having a place of business at 400 Tenth Street, Centennial Research Building, Atlanta, Georgia 30332-0415, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in and to said invention(s), said utility application, said provisional application, and any U.S. and foreign patents which are related to the same.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR, ASSIGNOR has sold, assigned and transferred and does hereby sell, assign and transfer unto ASSIGNEE, and ASSIGNEE'S successors and assigns, (a) the entire right, title and interest, for the United States of America, in and to said invention(s), said utility application, and said Provisional application and all the rights and privileges in any application and under any and all patents that may be granted in the U.S. for said inventions, including all corresponding provisional, continuation, continuation in part, divisional, reissue, and reexamination applications; and (b) the entire right, title and interest in and to said invention(s), said utility application, and said provisional application for all countries foreign to the U.S., including all rights of priority arising from them, and all the rights and privileges under any and all forms of protection, including patents, that may be granted in said countries foreign to the U.S. for them.

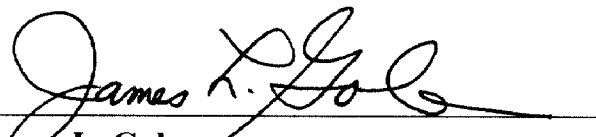
ASSIGNOR authorizes ASSIGNEE to make application for such protection in its own name and maintain such protection in any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said Inventions, without further authorization from ASSIGNOR, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

ASSIGNOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of ASSIGNEE to apply for patent or other form of protection for said Inventions, said utility application, or said provisional application and to claim the aforesaid benefit of the right of priority.

ASSIGNOR requests that any and all patents for said inventions be issued to ASSIGNEE in the U.S. and to ASSIGNEE in all countries foreign to the U.S., or to such nominee as ASSIGNEE may designate.

ASSIGNOR covenants and agrees that, when requested, ASSIGNOR shall, without charge to ASSIGNEE but at ASSIGNEE'S expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said invention(s), and for the defense and protection thereof if challenged in the court of law.

ASSIGNOR authorizes ASSIGNEE or its agents to insert, on ASSIGNOR's behalf, the filing date and/or serial number above pertaining to the utility application and/or the provisional application, if not known as of the date of execution of this document.

  
James L. Gole

Date: May 29, 2001

United States of America

State of Georgia


County of Fulton

On this 29<sup>th</sup> day of May, 20 01, before me personally came **James L. Gole** to me known to be the individual described above and who executed the foregoing instrument, or acknowledged execution of the same.

  
Notary Public

Notary Public, Fulton County, Georgia  
My Commission Expires March 23, 2004

My Commission Expires (Date)

  
\_\_\_\_\_  
John D. Stout

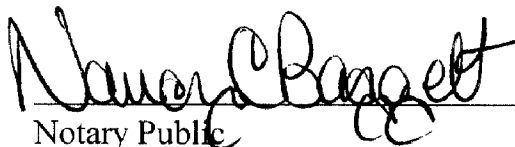
Date: May 29th 2001

United States of America

State of Georgia

County of Fulton

On this 29<sup>th</sup> day of May, 2001, before me personally came **John D. Stout** to me known to be the individual described above and who executed the foregoing instrument, or acknowledged execution of the same.

  
\_\_\_\_\_  
Notary Public

Notary Public, Cobb County, Georgia  
My Commission Expires March 23, 2004

\_\_\_\_\_  
My Commission Expires (Date)

Mark G. White  
Mark G. White

Date: 5/18/2001

United States of America

State of Georgia

County of DeKalb

On this 18 day of May, 2001, before me personally came **Mark G. White** to me known to be the individual described above and who executed the foregoing instrument, or acknowledged execution of the same.

Claudia D. Clarkson  
Notary Public

Notary Public, DeKalb County, Georgia.  
My Commission Expires Feb. 16, 2002.

My Commission Expires (Date)