

FC 11.23.01

11-29-2006



103341945

T FINANCE SECTION

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)
 Markondeya Raj Pulugurtha Farrokh Ayazi
 Devarajan Balaraman
 Isaac R. Abothu
 Rao Tummala

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

2. Name and address of receiving party(ies)
 Name: Georgia Tech Research Corporation
 Internal Address: _____
 Street Address: 505 Tenth Street, NW
 City: Atlanta
 State: GA
 Country: US Zip: 30332-0415

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

3. Nature of conveyance/Execution Date(s):
 Execution Date(s) 10/4/06, 10/9/06, 10/11/06, 10/14/06

Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s): This document is being filed together with a new application.

A. Patent Application No.(s)
11/505,201

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:
 Name: Law Offices of Kenneth W. Float
 Internal Address: _____
 Street Address: 2095 Hwy. 211, NW, #2F
 City: Braselton
 State: GA Zip: 30517
 Phone Number: (949) 257-7964
 Fax Number: _____
 Email Address: _____

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40

Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
 Expiration Date _____

b. Deposit Account Number 502064
 Authorized User Name Kimberly A. Dunn

9. Signature: Kenneth W. Float 11/24/2006
 Signature Date

Kenneth W. Float
 Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 8

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450



11-01-2006
103330211

Form PTO-150 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

10-27-06

1. Name of conveying party(ies)

2. Name and address of receiving party(ies)

Name: Georgia Tech Research Corporation

Internal Address: _____

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

Street Address: 505 Tenth Street, NW

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 10/4/06, 10/9/06, 10/11/06, 10/14/06

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- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

City: Atlanta

State: GA

Country: US Zip: 30332-0415

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Phone Number: (949) 257-7964

Fax Number: _____

Email Address: _____

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

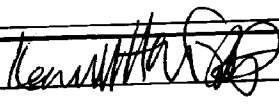
8. Payment Information

a. Credit Card Last 4 Numbers _____ Expiration Date _____

b. Deposit Account Number 502064

Authorized User Name Kimberly A. Dunn

9. Signature:


Signature

4/20/2006
Date

Kenneth W. Float
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 8

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
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10/31/2006 0000057 502064 11505201 40.00 DA

01 FC:8021

**ASSIGNMENT
OF UTILITY PATENT APPLICATION**

WHEREAS, the following parties:

<u>Name</u>	<u>Address</u>
Markondeya Raj Pulugurtha	1445 Druid Valley Drive, Atlanta, GA 30329
Devarajan Balaraman	325591 Georgia Tech Station, Atlanta, GA 30332
Isaac R. Abothu	1556 F. Woodlake Drive, Atlanta, GA 30329
Rao Tummala	1746 Tillingway, Stone Mountain, GA 30087
Farrokh Ayazi	1130 Piedmont Ave, NE, #612, Atlanta, GA 30309

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:

**"INTEGRATING THREE-DIMENSIONAL HIGH
CAPACITANCE DENSITY STRUCTURES",**

which was:

- executed on even date herewith,
- filed with the United States Patent and Trademark Office (USPTO) on 8/16/2006, and assigned Serial No. 11/505,201, and
- further described in U.S. Provisional application entitled "*High K thin film Based 3-Dimensional Capacitors*", filed with the USPTO on August 17, 2005, and assigned Serial No. 60/709,135.

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 the Georgia Institute of Technology, 505 Tenth Street, NW, 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.

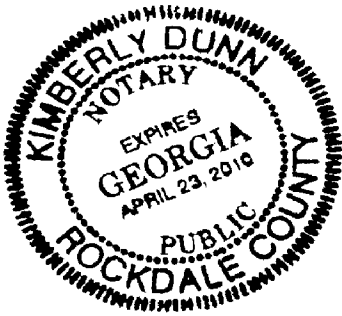

Markondeya Raj Pulugurtha


Date: Oct 9, 2006

United States of America

State of GEORGIA
County of FULTON

On this 9th day of October, 2006, before me personally came **Markondeya Raj Pulugurtha** to me known to be the individual described above and who executed the foregoing instrument, or acknowledged execution of the same.




Notary Public

April 23, 2010
My Commission Expires (Date)

Docket No. 3569
Page 4 of 7
(Patent Assignment)

B. Devarajan

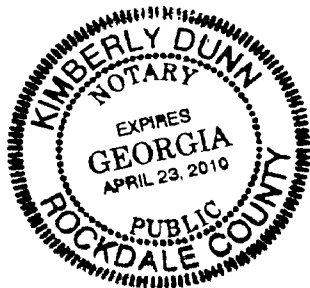
Devarajan Balaraman

Date Sept 14, 2006

United States of America


State of GEORGIA
County of FULTON

On this 14th day of September, 2006, before me personally came **Devarajan Balaraman** to me known to be the individual described above and who executed the foregoing instrument, or acknowledged execution of the same.



Kimberly Dunn
Notary Public

April 23, 2010
My Commission Expires (Date)



Isaac R. Abothu

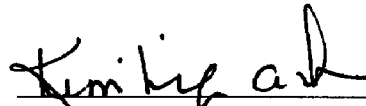
Date: Oct 11, 2006

United States of America

State of GEORGIA
County of FULTON


On this 11th day of October, 2006, before me personally came **Isaac R. Abothu** to me known to be the individual described above and who executed the foregoing instrument, or acknowledged execution of the same.





Notary Public

My Commission Expires (Date)



Rao Tummala

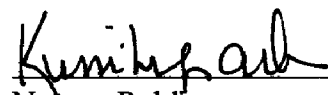
Date: October 4, 2006

United States of America

State of GEORGIA
County of FULTON

On this 4th day of October, 2006, before me personally came **Rao Tummala** to me known to be the individual described above and who executed the foregoing instrument, or acknowledged execution of the same.





Notary Public

April 23, 2010

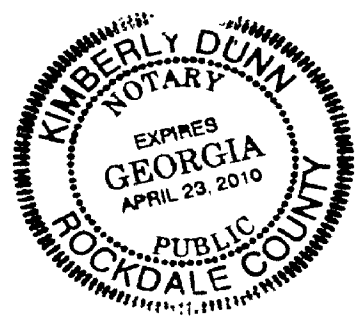
My Commission Expires (Date)

Farrokh Ayazi
Farrokh Ayazi

Date: October 4, 2006

United States of America
State of GEORGIA
County of FULTON

On this 4th day of October, 2006, before me personally came **Farrokh Ayazi** to me known to be the individual described above and who executed the foregoing instrument, or acknowledged execution of the same.



Kimberly Dunn
Notary Public

April 23, 2010
My Commission Expires (Date)