


Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005) Tab settings ⇌ ⇌ ⇌	RECORDATION FORM COVER SHEET PATENTS ONLY	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies): Telcordia Technologies, Inc. Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: _____ Internal Address: <u>University of Maryland, College Park</u> _____ _____ Street Address: <u>6200 Baltimore Ave., Suite 300</u> _____ City: <u>College Park</u> State: <u>MD</u> Zip: <u>20742-9520</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>02/28/2003</u>	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) <u>5,358,927</u> <u>5,324,714; 5,168,420; 5,155,658;</u> Additional numbers attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>James A. Poulos, III</u> Internal Address: <u>Office of Technology</u> <u>Commercialization</u> <u>University of Maryland</u> Street Address: <u>6200 Baltimore Ave., Suite 300</u> _____ City: <u>Riverdale</u> State: <u>MD</u> Zip: <u>20737</u>	6. Total number of applications and patents involved: <u>18</u> 7. Total fee (37 CFR 3.41).....\$ <u>720</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: <u>210683</u>	
DO NOT USE THIS SPACE		
9. Signature. <div style="display: flex; justify-content: space-between;"> <div> <u>James A. Poulos, III Reg. #31,714</u> Name of Person Signing </div> <div style="text-align: center;">  Signature </div> <div style="text-align: right;"> <u>Oct 24, 2003</u> Date </div> </div> <div style="text-align: right; margin-top: 10px;"> Total number of pages including cover sheet, attachments, and documents: <u>6</u> </div>		

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments
 Washington, D.C. 20231

Assignment Recordation

Page 2

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

B. Patent No.(s) continued

5,270,298

5,248,564

5,479,317

5,838,035

5,519,235

5,798,903

5,777,356

6,274,388

6,194,754

5,169,485

6,115,281

6,610,549

ASSIGNMENT

WHEREAS, Telcordia Technologies, Inc., a Delaware corporation having offices at 445 South Street, Morristown, New Jersey 07960, ("Telcordia"), owns, by assignment, all right, title, and interest in the patents and patent applications listed in Appendix A attached hereto, including any inventions claimed therein, related to inventions in ferroelectric devices; and

WHEREAS, the University of Maryland, a public agency and instrumentality of the State of Maryland ("University of Maryland"), desires to own Telcordia's entire right, title, and interest in and to the inventions, in all countries throughout the world, and in and to the patents and patent applications listed in Appendix A;

WHEREAS, Telcordia and the University of Maryland have entered into a Donation Agreement on January 28, 2003, under which Telcordia has agreed to transfer all its rights, title and interests in such patents and patent applications; and

NOW THEREFORE, be it known that, for good and valuable consideration, receipt of which is hereby acknowledged;

Subject to any licenses and rights previously granted, TELCORDIA HEREBY donates, assigns, transfers, and sets over to the University of Maryland, its lawful successors and assigns, Telcordia's entire right, title, and interest in and to the patent and patent applications listed in Appendix A, the inventions claimed therein, and all patents that may be granted thereon, and all continuations, divisions, reissues, reexaminations, extensions, and renewals thereof; and all rights to claim priority on the basis of such application; and Telcordia hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for these inventions to the University of Maryland, its successors and assigns, in accordance with the terms of this Assignment;

AND, TELCORDIA HEREBY further covenants that Telcordia has the full right to convey the interest assigned by this Assignment, Telcordia will take all action and execute all documents necessary to perfect the interest assigned hereby, and Telcordia has not executed and will not execute any agreement in conflict with this Assignment;

IN WITNESS WHEREOF, I/we hereunto set my/our hand and seal on the day and year indicated.

Grant Clark
 Grant Clark, CVP and General Counsel
 Telcordia Technologies, Inc.

Date: *2/28/03*

County of Morris)
 State of New Jersey) ss:

Then personally appeared before me on the indicated date(s) the above-named **Grant Clark**, to me personally known and known by me to be the person(s) described in and who executed the foregoing instrument, and acknowledged the same, before me, to be his/her/their own free act and deed.

2/28/03
 Date

Margaret A. Roddy
 NOTARY PUBLIC

MARGARET A. RODDY
 A Notary Public Of New Jersey
 My Commission Expires August 21, 2006

EXHIBIT A

Page 3

United States Patents

Patent #	Title	Issue Date
5,358,927	Growth of A, B-Axis Oriented Perovskite Thin Films	October 25, 1994
5,324,714	Growth of A, B-Axis Oriented Perovskite Thin Films Over a Buffer/Template Layer	June 28, 1994
5,168,420	Ferroelectrics Epitaxially Grown On Superconducting Substrates	December 1, 1992
5,155,658	Crystallographically Aligned Ferroelectric Films Usable In Memories And Method Of Crystallographically Aligning Perovskite Films	October 13, 1992
5,270,298	Cubic Metal Oxide Thin Film Epitaxially Grown On Silicon	December 14, 1993
5,248,564	C-Axis Perovskite Thin Films Grown On Silicon Oxide	September 28, 1993
5,479,317	Ferroelectric Capacitor Heterostructure And Method Of Making Same	December 26, 1995
5,838,035	Barrier Layer For Ferroelectric Capacitor Integrated On Silicon	November 17, 1998
5,519,235	Polycrystalline Ferroelectric Capacitor Heterostructure Employing Hybrid Electrodes	May 21, 1996
5,798,903	Electrode Structure For Ferroelectric Capacitor Integrated On Silicon	August 25, 1998
5,777,356	Platinum-Free Ferroelectric Memory Cell With Intermetallic Barrier Layer And Method Of Making Same	July 7, 1998
6,274,388	Annealing Of A Crystalline Perovskite Ferroelectric Cell	August 14, 2001
6,194,754	Amorphous Barrier Layer In A Ferroelectric Memory Cell	February 27, 2001

EXHIBIT A

Page 4

United States Patents (Continued)

5,169,485	Method For The Preparation Of Epitaxial Ferromagnetic Manganese Aluminum Magnetic Memory Element	December 8, 1992
6,115,281	Methods And Structures To Cure The Effects Of Hydrogen Annealing On Ferroelectric Capacitors	September 5, 2000
6,265,230	Methods To Cure The Effects Of Hydrogen Annealing On Ferroelectric Capacitors	July 24, 2001

United States Patent Applications

Serial #	Title	Filing Date
09/709,051	Amorphous Barrier Layer In A Ferroelectric Memory Cell	November 10, 2000

Issued as Patent No. 6,610,549