

Form PTO-1595 (Rev. 03/05)
OMB No. 0651-0027 (exp. 6/30/2005)

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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.

1. Name of conveying party(ies)

Kurtis Keller
Henry Fuchs
Leonard McMillan

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

2. Name and address of receiving party(ies)

Name: The University of North Carolina at Chapel Hill

Internal Address: _____

Street Address: _____

City: Chapel Hill

State: North Carolina

Country: USA Zip: 27599-4105

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

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

Execution Date(s) May 10, 2007

- 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):

A. Patent Application No.(s) 11/632,151

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Gregory A. Hunt

Jenkins, Wilson, Taylor & Hunt, P.A.

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Street Address: Suite 1200 University Tower
3100 Tower Boulevard

City: Durham

State: NC Zip: 27707

Phone Number: 919-493-8000

Fax Number: 919-419-0383

Email Address: ghunt@jwth.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

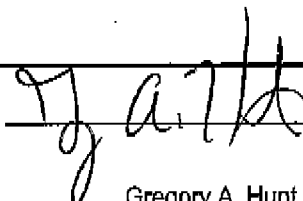
- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 50-0426

Authorized User Name JENKINS, WILSON, TAYLOR & HUNT, P.A.

9. Signature:  Signature

May 30, 2007

Date

Gregory A. Hunt
Name of Person Signing

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

4

CH \$40.00 500426 11632151

PATENT**Atty Docket: 421/108 PCT/US****ASSIGNMENT**

WHEREAS, we, Kurtis Keller, of Hillsborough, North Carolina, Henry Fuchs, of Chapel Hill, North Carolina, and Leonard McMillan, of Chapel Hill, North Carolina, hereinafter ("Assignors"), have invented certain new and useful improvements in METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS FOR FULL SPECTRUM PROJECTION for which application for a U.S. Letters Patent was made as a national phase application based on PCT/US2005/025380 filed July 18, 2005 which claims priority to U.S. Application No. 60/588,656 filed July 16, 2004). We hereby authorize and request our attorneys, Jenkins, Wilson, Taylor & Hunt, P.A., to insert here in parentheses (application number 11/632,151, filed January 10, 2007) the filing date and application number of said application when known.

AND, WHEREAS, The University of North Carolina at Chapel Hill, a non-profit organization located at Chapel Hill, North Carolina (hereinafter "Assignee"), is desirous of acquiring an interest therein.

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors have sold and by these presents do hereby sell, assign, transfer and convey unto the said Assignee, its successors and assigns, their entire right, title and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with their right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this assignment and sale had not been made.

Assignors hereby request that said Letters Patent be issued in accordance with this assignment.

Assignors further covenant and agree that, at the time of the execution and delivery of these presents, Assignors possess full title to the invention and application above-mentioned, and that they have the unencumbered right and authority to make this assignment.

Assignors further covenant and agree, and likewise bind their heirs, legal representatives and assigns, to promptly communicate to said Assignee or its representatives any facts known to them relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers

which may be requested to confirm the right of the Assignee, its representatives, successors and assigns to secure patent or similar protection for the said invention in all countries and to vest in the Assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said Assignee, its successors, assigns and other legal representatives.

Executed this 10 day of May 2007.

Kurtis Keller
Kurtis Keller

Witnessed by:

W. O. O'Brien May 10, 2007
Name Date

H. Fuchs May 10, 2007
Name Date

Executed this 10 day of May 2007.

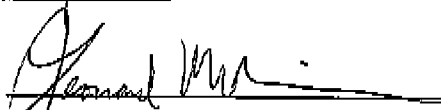
H. Fuchs
Henry Fuchs

Witnessed by:

W. O. O'Brien May 10, 2007
Name Date

W. O. O'Brien 5/10/07
Name Date

Executed this 10 day of May 2007.


Leonard McMillan

Witnessed by:

Kurt Kelle May 10, 2007
Name Date

V. J. Owens May 10, 2007
Name Date

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DATE: May 30, 2007

TO: Assignment Recordation Services @ USPTO

FAX NO.: (571) 273-0140

FROM: Gregory A. Hunt (sda)

RE: Serial No. 11/632,151 (Our Ref. No. 421/108 PCT/US)

NUMBER OF PAGES TO FOLLOW: 4

**If transmission is poor, or if you do not receive all pages, please
call (919) 493-8000 as soon as possible.**

COMMENTS: Please see the following attachments:

Transmittal Letter (1 page);
Recordation Form Cover Sheet (Form PTO-1595; 1 page); and
Executed Assignment (3 pages).

If you have any questions, please do not hesitate to contact us.
Thank you and best regards.

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PATENT
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JENKINS
WILSON
TAYLOR
& HUNT

patent attorneys

May 30, 2007

I hereby certify that this paper is being facsimile transmitted to the United States Patent and Trademark Office at (571) 273-0140 on May 30, 2007.


Shayler D. Anderson
Date of Signature: 5/30/07

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Mail Stop Assignment Recordation Services
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: U.S. Provisional Patent Application Serial No. 11/632,151 for
METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS
FOR FULL SPECTRUM PROJECTION
Our File No. 421/108 PCT/US

Sir:

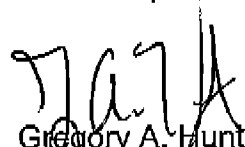
Enclosed please find the following:

1. Recordation Form Cover Sheet (Form PTO-1595, 1 page); and
2. Executed Assignment (3 pages).

The Commissioner is hereby authorized to charge any fees associated with the filing of this correspondence to Deposit Account Number 50-0426.

Respectfully submitted,

JENKINS, WILSON, TAYLOR & HUNT, P.A.



Gregory A. Hunt
Registration No. 41,085
Customer No: 25297

GAH/sda

Enclosures