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103481945

To the Director of the U.S. Patent and

documents or the new address(es) below.

**1. Name of conveying party(ies)**

Mississippi State University

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

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

Execution Date(s) January 31, 2008

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

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

Name: Mississippi State Univ. Research and Technology Corp.

Internal Address: P. O. Box 6343

Mississippi State University

Street Address: 513 Allen Hall

Mississippi State University

City: Mississippi State

State: MS

Country: U.S.A. Zip: 39762

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

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

☐ This document is being filed together with a new application.

**A. Patent Application No.(s)**

11/279,820 11/279,982  
11/279,831  
11/279,841  
11/279,978

**B. Patent No.(s)**

Additional numbers attached? ☐ Yes ☒ No

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

Name: Larry A. Schemmel

Internal Address: Office of the Attorney General

P. O. Box 1850 Jackson, MS 39215-1850

Street Address: Office of the Attorney General

MDOT Bldg/9th Floor - 401 North West Street

City: Jackson

State: MS Zip: 39201

Phone Number: 601-359-7600

Fax Number: 601-359-7774

Email Address: \_\_\_\_\_

**6. Total number of applications and patents involved:** 5

**7. Total fee (37 CFR 1.21(h) & 3.41) \$** 200

- ☐ 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 \_\_\_\_\_  
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b. Deposit Account Number 02/12/2008 DEYONE 00000056 11279028

01 FC:0021  
Authorized User Name \_\_\_\_\_

**9. Signature:**

Larry A. Schemmel  
Signature

2-11-08  
Date

Larry A. Schemmel  
Name of Person Signing

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

4

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

PATENT  
REEL: 020512 FRAME: 0550

**ASSIGNMENT FROM MISSISSIPPI STATE UNIVERSITY  
TO THE  
MISSISSIPPI STATE UNIVERSITY  
RESEARCH AND TECHNOLOGY CORPORATION**

Whereas, Mississippi State University assigned certain patent rights to Mississippi State University Research and Technology Corporation on November 7, 2005 which assignment is incorporated herein by reference; and

Whereas, certain provisional patent applications described in such assignment have matured into the utility patent applications (Patent Applications) described below; and

Whereas, the inventors have assigned the Patent Applications to Mississippi State University (MSU); and

Whereas, MSU intends that the assignment executed on November 7, 2005 apply to said Patent Applications.

NOW THEREFORE, in consideration of one dollar (\$1.00) and other good and valuable consideration, MISSISSIPPI STATE UNIVERSITY (MSU), existing by virtue of the laws of the State of Mississippi, and having an office at 610 Allen Hall, Mississippi State University, Mississippi State, MS 39762, sells and assigns to the MISSISSIPPI STATE UNIVERSITY RESEARCH AND TECHNOLOGY CORPORATION (RTC), a Mississippi not for profit corporation, having its office at 513 Allen Hall, Mississippi State University, Mississippi State, MS 39762, its successors and assigns, the entire right, title and interest throughout the world in and to the following improvements for which applications for United States letters Patent have been filed:

1. "Mapping Architecture for Providing Spatial-Information and Technology Enhancement Resources (MAPSTER)," Disclosure Number 05-0328-144, Provisional Patent Application filed 4/15/2005, Serial Number 60/671,518; Utility Patent Application filed 4/14/2006, Serial Number 11/279,820; developed by Charles G. O'Hara. Jointly Owned by Mississippi State University and Spatial Information Solutions; and
2. Linear Correspondence Assessment Toolkit (LCAT)," Disclosure Number 05-0330-146, Provisional Patent Application filed 4/15/2005, Serial Number 60/671,519; Utility Patent Application filed 4/14/2006, Serial Number 11/279,831; developed by Charles G. O'Hara and Suyoung Seo; and
3. "Remote Sensing Imagery Accuracy Analysis Method and Apparatus," Disclosure Numbers 05-0330-147, 05-0331-149 and 05-0405-151; Utility Patent Application filed 4/17/2006, Serial Number 11/279,982; developed by Charles G. O'Hara, Veeraraghavan Vijayaraj, Nicolas Younan, Anil Cheriyaat, Suyoung Seo, and Bijay Shrestha; said application claims priority to Provisional Patent Applications, Serial Number 60/671,508; 60/671,517 and 60/671,520, all filed 4/15/2005; and
4. "Temporal Mapping and Analysis Package (TMAP)," Disclosure Number 05-0331-148, Provisional Patent Application filed 4/15/2005, Serial Number 60/671,507; Utility Patent Application filed 4/17/2006, Serial Number 11/279,978; developed by Charles G. O'Hara, Preeti Mali, Bijay Shrestha, and Veeraraghavan Vijayaraj; and

5. "Hybrid Change Analysis Toolkit (HCAT)," Disclosure Number 05-0406-152, Provisional Patent Application filed 4/15/2005, Serial Number 60/671,516; Utility Patent Application filed 4/14/2006, Serial Number 11/279,841; developed by Charles G. O'Hara, Anil Cheriyyadat, Suyoung Seo, and Veeraraghavan Vijayaraj

in and to said applications and all patents (foreign and domestic) which may be granted therefor and thereon, and all divisions, reissues, continuations and extensions thereof (foreign and domestic), subject to performance or substantially equivalent performance over time by the RTC of the obligations of MSU under MSU's Intellectual Property Policy with regard to distribution of proceeds from the above described invention *after payment to RTC for its Administrative Fee*, and subject to the requirement that RTC shall require any LICENSEE of the patents, copyrights or trade secrets described above to indemnify, defend and hold RTC, the State of Mississippi, the Board of Trustees of Institutions of Higher Learning, the trustees of the Board of Trustees of Institutions of Higher Learning, MSU, and each and all of their officers, employees and affiliates, both in their official and personal capacities, harmless against all claims and expenses, including legal expenses and reasonable attorney's fees, whether arising from a third party claim, whether resulting from MSU's enforcing this indemnification clause against LICENSEE, or whether arising out of the death of or injury to any person or persons or out of any damage to property, and further against any other claim, proceeding, demand, expense and liability of any kind whatsoever resulting from the production, manufacture, sale, use, lease, consumption or advertisement of the licensed patents, copyrights or trade secrets or arising from any obligation of RTC, MSU or LICENSEE hereunder.

RTC shall require that such LICENSEE obtain and carry in full force and effect liability insurance which shall protect LICENSEE, RTC, and MSU (including the other persons and entities identified above in regard to said events covered above. Such insurance shall: (a) be written by an insurance company authorized to do business in the State of Mississippi; (b) be endorsed to also include product liability coverage; (c) provide and require thirty (30) days written notice to be given to MSU prior to any cancellation or material change of the coverage; and (d) include limits of coverage necessary to provide adequate protection.

MSU covenants that it has all right to so sell and assign; and it authorizes and requests the Commissioner of Patents and Trademarks to issue all patents on said improvements or resulting therefrom to said RTC, as assignee of the entire interest; and it agrees that it will communicate to said RTC or its representatives any facts known to it respecting said improvements, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and make a reasonable effort to aid said RTC, its successors, assigns and nominees, to obtain and enforce proper protection for said improvements in all countries.

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Executed this 31 day of January, 2008.

MISSISSIPPI STATE UNIVERSITY

BY: Michael M. Grevey  
Michael McGrevey, Vice President  
for Finance and Administration

OKTIBBEHA COUNTY  
MISSISSIPPI

Personally appeared before me Michael McGrevey, Vice President for Finance and Administration of Mississippi State University, personally known to me, who acknowledged that he executed the foregoing instrument for and on behalf of Mississippi State University after first being authorized so to do.

(Seal)

Waanda B. Lee  
Notary Public

My Commission Expires: MISSISSIPPI STATEWIDE NOTARY PUBLIC  
MY COMMISSION EXPIRES JULY 16, 2010  
UNDER THE MISSISSIPPI NOTARY SERVICE

Accepted by the MSU Research & Technology Corp., by \_\_\_\_\_,  
President.

Date: 2/05/2008