

Docket No.:

FORM PTO-1595 (Modified)
(Rev. 03-01)
OMB No. 0861-0027 (exp. 6/30/2002)
POB/HIEV03

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

PATENTS ONLY

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To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): <u>Altarum Institute</u></p> <p>Additional names(s) of conveying party(ies) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>Michigan Technological University</u></p> <p>Internal Address: _____</p> <p>Street Address: <u>1400 Townsend Dr.</u></p> <p>City: <u>Houghton</u> State: <u>MI</u> ZIP: <u>49931</u></p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>										
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other _____</p> <p>Execution Date: <u>Sept. 29, 2006</u></p>	<p>4. Application number(s) or patent numbers(s):</p> <p>If this document is being filed together with a new application, the execution date of the application is: _____</p> <table style="width: 100%;"> <tr> <td style="width: 50%;">A. Patent Application No.(s)</td> <td style="width: 50%;">B. Patent No.(s)</td> </tr> <tr> <td>10/348,737 10/366,084</td> <td>6,762,719</td> </tr> <tr> <td>10/385,067</td> <td>6,774,844</td> </tr> <tr> <td>11/565,790</td> <td>6,775,520</td> </tr> <tr> <td>11/006,304</td> <td></td> </tr> </table> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	A. Patent Application No.(s)	B. Patent No.(s)	10/348,737 10/366,084	6,762,719	10/385,067	6,774,844	11/565,790	6,775,520	11/006,304	
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11/006,304											
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>John G. Posa</u></p> <p>Internal Address: <u>Gifford, Krass, Sprinkle et al</u></p> <p>Street Address: <u>PO Box 7021</u></p> <p>City: <u>Troy</u> State: <u>MI</u> ZIP: <u>48007</u></p>	<p>6. Total number of applications and patents involved: 8</p> <p>7. Total fee (37 CFR 3.41):.....\$ <u>320.00</u></p> <p><input type="checkbox"/> Enclosed - Any excess or insufficiency should be credited or debited to deposit account</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number:</p> <p><u>07-1180</u></p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>										
DO NOT USE THIS SPACE											
<p>9. Statement and signature. <i>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.</i></p> <p><u>John G. Posa</u> <u>Feb. 6, 2007</u></p> <p style="text-align: center;">Name of Person Signing Signature Date</p> <p style="text-align: center;">Total number of pages including cover sheet, attachments, and document: 5 PATENT</p>											

**COMPREHENSIVE ASSIGNMENT OF PROPRIETARY
RIGHTS IN PATENTS AND PATENT APPLICATIONS**

This is an ASSIGNMENT OF PATENTS AND PATENT APPLICATIONS (this "*Assignment*") by Altarum Institute (the "*Assignor*") to Michigan Technological University (the "*Assignee*").

WHEREAS, Assignor is the owner of certain patents and patent applications; and

WHEREAS, pursuant to the Asset Purchase Agreement, dated as of September 30, 2006 (the "*Purchase Agreement*"), by and among the Assignor and the Assignee, Assignor has agreed to transfer to Assignee all of Assignor's right, title and interest in and to such patents and patent applications;

NOW THEREFORE, Assignor and Assignee agree as follows:

1. Assignor DOES HEREBY SELL, CONVEY, TRANSFER, ASSIGN AND DELIVER to Assignee, its successors and assigns forever, all of the right, title and interest of Assignor in and to the patents and patent applications set forth on Exhibit A, along with all inventions disclosed and/or claimed in such patents and patent applications, and any letters patent which may hereinafter be granted in the United States and all countries throughout the world, including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, reexaminations, prolongations or extensions of the patents or patent applications set forth in Exhibit A, and any patents and patent applications that contain the same disclosure as or rely at any time for priority on such patents and patent applications set forth on Exhibit A, together with the rights of priority under any international agreements to which the United States adheres, said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this assignment and transfer not been made, to the full end and term (all described in this Section 1, collectively referred to herein as "the Patents").
2. Assignor further transfers and assigns to Assignee all causes of action, rights, and remedies arising under the Patents prior to or after the effective date of this Assignment.
3. Assignor does hereby also assign in all countries of the world any and all of Assignor's right, title and interest in and to any and all copyright property appertaining any drawings or other materials relating to the tangible means of expression and illustration of the Patents.
4. Assignor pledges and agrees to provide, promptly up on the request of Assignee, any such further information, documentation, and confirmatory assignments as may be necessary or desirable by Assignee to record the assignments effected in Section 1 above in the United States and in any and all other relevant countries or jurisdictions. Subject to the conditions set forth in the Purchase Agreement, and until the appropriate assignment document is recorded in the particular jurisdiction, Assignor agrees to take any appropriate action or authorize Assignee

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Altarum Institute
Assignment of Proprietary Rights in Patents and Patent Applications
Page Two

to take such action in the name of Assignor, in connection with any patents and patent applications being transferred hereunder, as requested by Assignee, and at the expense of Assignee.

5. Assignee shall pay to Assignor one dollar (\$1) in consideration of the assignment set forth herein, and the parties acknowledge the sufficiency of such consideration.

IN WITNESS WHEREOF, Assignor and Assignee have caused this Assignment to be executed as of the date indicated below.

MICHIGAN TECHNOLOGICAL UNIVERSITY
a Michigan constitutional corporation

ALTARUM INSTITUTE,
a Michigan nonprofit corporation

By: 

By: _____

Name: Glenn D. Mroz

Name: Philip Fazio

Title: President

Title: Executive Vice President and CFO

Date: September 29, 2006

Date: September 29, 2006

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Altarum Institute
Assignment of Proprietary Rights in Patents and Patent Applications
Page Two

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Title: President

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ALTARUM INSTITUTE,
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By:  _____

Name: Philip Fazio

Title: Executive Vice President and CFO

Date: September 29, 2006

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Altium Institute
Assignment of Proprietary Rights in Patents and Patent Applications
Exhibit A

Country	Patent/Patent Application	Patent/Application Number	Issue/Application Date
USA	Self-Orienting Antenna Array Systems	6,762,719 B2	7/13/2004
USA	Antenna Structures Based Upon a Generalized Hausdorff Design Approach (for Dynamic, Reconfigurable, MEMS enabled Fractal Antenna Array)	6,774,844 B2	8/10/2004
USA	Synthetic-Aperture Communications Receiver	6,775,520 B2	8/10/2004
USA	Methods and Apparatus for Reconfiguring Antenna Array Patterns	10/348,737	1/22/2003 (formal filing date)
USA	Multi-Phenomenology, Decision-Directed Baggage Scanning Apparatus and Method	10/366,084	2/13/2003 (formal filing date)
USA	Frequency Dependent Acoustic Beamforming and Nulling	10/385,067	3/10/2003 (formal filing date)
USA	System and Method for Analysis of Respiratory Cycle-Related EEG Changes in Sleep-Disordered Breathing	Application Number Unknown	6/13/2003 (provisional filing date)
USA	Intrusion Detection Methods and Apparatus that Use a Building's Infrastructure as Part of a Sensor	60541,247 11/565,790	4/21/2005 (provisional filing date) 12/11/2006
USA	Water Quality Assessment System	11/006,304	12/5/2004 (provisional filing date)

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FACSIMILE TRANSMISSION

DATE: February 6, 2007

TO: Assignment Recordation Dept.

FACSIMILE NO.: 571-273-0140

FROM: John G. Posa

PAGES TRANSMITTED (INCLUDING COVER SHEET): 6

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RE:

MESSAGE:

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