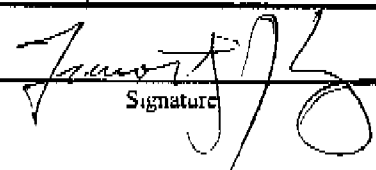


RECORDATION FORM COVER SHEET PATENTS ONLY

Docket No.: 4083.1000-000

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

<p>1 Name of conveying party(ies)/Execution Date(s):</p> <p>DAVID SMITH /10/4/06 DAVID SCHURIG /10/4/06 / / /</p> <p>Additional name(s) of conveying party(ies) attached? [] Yes [X] No</p>	<p>2. Name and address of receiving party(ies)</p> <p>Name: <u>DUKE UNIVERSITY</u></p> <p>Internal Address: _____</p> <p>Street Address <u>ERWIN ROAD</u></p>
<p>3. Nature of conveyance</p> <p>[X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other _____</p>	<p>City: <u>DURHAM</u></p> <p>State: <u>NORTH CAROLINA</u></p> <p>Country: <u>U.S.A.</u> Zip <u>27710</u></p> <p>Additional name(s) & address(es) attached? [] Yes [X] No</p>
<p>4 Application number(s) or patent number(s):</p> <p>A. Parent Application No.(s) <u>11/459,728</u></p> <p>Additional numbers attached? [] Yes [X] No</p>	<p>[] This document is being filed together with a new application B Parent No.(s)</p>
<p>5 Name and address of party to whom correspondence concerning document should be mailed</p> <p>Name: <u>TIMOTHY J. MEAGHER, ESQ.</u></p> <p>Internal Address _____</p> <p><u>HAMILTON, BROOK, SMITH & REYNOLDS, P.C.</u></p> <p>Street Address <u>530 VIRGINIA ROAD, P.O. BOX 9133</u></p> <p>City: <u>CONCORD</u> State: <u>MA</u> ZIP: <u>01742-9133</u></p> <p>Phone No. <u>978-341-0036</u> Fax No. <u>978-341-0136</u></p> <p>Email Address: <u>TIM.MEAGHER@HBSR.COM</u></p>	<p>6. Total number of applications and patents involved. [1]</p> <p>7. Total Fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u></p> <p>[] Enclosed [X] Authorization to charge deposit account number 08-0380 [] Previously submitted - Doc ID No [] [X] Authorized to charge any deficiencies or credit any overpayment to deposit account number 08-0380</p> <p>Do not attach a copy of this page if paying by deposit account and filing via facsimile. Attach a copy of this page if paying by deposit account and filing via mail.</p>
<p>8. <u>TIMOTHY J. MEAGHER</u> Name of Person Signing</p> <p style="text-align: center;"> Signature</p> <p style="text-align: right;"><u>12/4/06</u> Date</p> <p style="text-align: center;">Total number of pages including cover sheet, attachments, and documents: [4]</p>	

PATENT OFFICE

Docket No. 4083.1000-000

Multi-JointASSIGNMENT

WHEREAS, we, **David Smith and David Schurig**, together with co-inventors **John Pendry**, have invented a certain improvement in **ELECTROMAGNETIC CLOAKING METHOD** described in an application for Patent,

- the specification of which is about to be filed in the United States Patent Office (*use for utility (37 CFR § 1.53(b)) and design filings only*);
- is about to be filed in the United States Patent Office as a Provisional Application;
- the specification of which is United States Application No. **11/459,728**, filed **July 25, 2006**;
- the specification of which is a Patent Cooperation Treaty Application, International Application No. [], filed [], which designates the United States of America [and assigned United States Application No. []];
- which was patented under United States Patent No. [].

WHEREAS, **Duke University** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of North Carolina**, and having a usual place of business at **Erwin Road, Durham, North Carolina 27710** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; I hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application.

PATENT

REEL: 018583 FRAME: 0488

Docket No. 4083.1000-000

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any further applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

Inventor David Smith Date 10/4/2006
David Smith

Address 706 Ivy Meadow Ln
Durham NC 27707

Witness Signature [Signature]

Print Witness Name Alyse Region

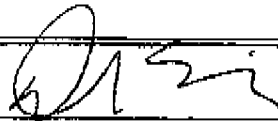
Address Duke University, Rpt of ECE, 130 Hudson Hall,
Box 90291, Durham NC 27708

Witness Signature [Signature]

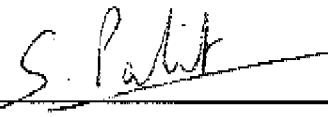
Print Witness Name SABARNI PALIT

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Docket No. 4083.1000-000

Inventor  Date 4 Oct 2006
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FACSIMILE COVER SHEET

Examiner: Assignment Division
U.S. Patent and Trademark Office

Date: December 4, 2006

Client Code: 4083

Facsimile No.: 571-273-0140

From: Timothy J. Meagher, Esq.

Subject: Paper: Assignment Recordation

Docket No.: 4083.1000-000

Applicant: John Pendry, et al.

Application No.: 11/459,728

Filing Date: July 25, 2006

Number of pages excluding this cover sheet: 4

Please confirm receipt of facsimile: Yes X No

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