

Docket No.: 1637-SPL

FORM PTO-1595 (Modified) (Rev. 03-01) OMB No. 0661-0027 (exp. 5/31/2002) P08/REV03

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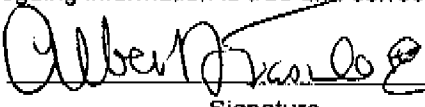
<p>1. Name of conveying party(ies):</p> <p><b>Richard R. Heisler</b> <b>Clifford L. Ratliff</b></p> <p>Additional name(s) of conveying party(ies) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>The Johns Hopkins University</u></p> <p>Internal Address: _____</p> <p>_____</p> <p>Street Address: <u>34th and Charles Streets</u></p> <p>_____</p> <p>City: <u>Baltimore</u> State: <u>MD</u> ZIP: <u>21218</u></p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
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<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>01/15/2004</u></p>	
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<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> <p>A. Patent Application No.(s)</p> <p><u>10/130,813</u></p>	<p>B. Patent No.(s)</p> <p>_____</p> <p>_____</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Albert J. Fasulo, II, Reg. No. 43,607</u></p> <p>Internal Address: <u>Office of Patent Counsel</u></p> <p><u>The Johns Hopkins University</u></p> <p><u>Applied Physics Laboratory</u></p> <p>Street Address: <u>Mail Stop 7-156</u></p> <p><u>11100 Johns Hopkins Road</u></p> <p>City: <u>Laurel</u> State: <u>MD</u> ZIP: <u>20723</u></p>	<p>6. Total number of applications and patents involved: <span style="border: 1px solid black; padding: 2px;">1</span></p> <p>7. Total fee (37 CFR 3.41):.....\$ <u>40.00</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>01-2218</u></p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>
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<p>9. Statement and signature.</p> <p><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>Albert J. Fasulo, II</u></p> <p>Name of Person Signing</p>	<p></p> <p>Signature</p> <p><u>1/15/04</u></p> <p>Date</p>
<p>Total number of pages including cover sheet, attachments, and document: <span style="border: 1px solid black; padding: 2px;">3</span></p>	

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**PATENT**

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## PATENT ASSIGNMENT

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ASSIGNMENT

WHEREAS, Richard R. Heisler and Clifford L. Ratliff, hereinafter referred to as the ASSIGNORS, have made an invention as described in a United States patent application entitled:

**Rapid Prototype Wind Tunnel Model and Method of Making Same**

which application was executed by them on May 15, 2002 and May 15, 2002, respectively; and

WHEREAS, The Johns Hopkins University, a corporation organized and existing under the laws of the State of Maryland and having its principal place of business at Baltimore, Maryland, hereinafter referred to as the ASSIGNEE, desires to acquire an interest therein;

NOW, THEREFORE, in consideration of their employment by ASSIGNEE, the ASSIGNORS do hereby sell, assign and transfer to the ASSIGNEE the entire right, title and interest in and to said invention in the United States and its territories and possessions and in all foreign countries and the entire right, title and interest in and to said international application and any substitutions, divisions, continuations, or continuations-in-part based upon said application, and in and to any and all Letters Patent, whether original or reissue, which may be granted for said invention in the United States and its territories and possessions and in any and all foreign countries, the invention, said patent application, and any and all such patents to be held and enjoyed by the ASSIGNEE for its own use and benefit and for its legal representatives as fully and entirely as the same would have been held by the ASSIGNORS had this agreement not been made.

THE ASSIGNORS here further agree to make, execute, and deliver to the ASSIGNEE, its successors, assigns, and legal representatives, upon request but at the expense of the ASSIGNEE, any and all papers, documents, affidavits, statements, or other instruments that may be necessary in the prosecution of the aforesaid application, and of any United States or foreign applications, and of any substitutions, divisions, continuations, or continuations-in-part of said application, or applications for reissues of said Letters Patents, and to aid the ASSIGNEE, its successors, assigns, and legal representatives in every way in protecting the said invention as may be requested, provided, however that they shall not have to pay any expenses arising from extending such assistance.

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THE ASSIGNORS hereby covenant that they have the right to grant the foregoing assignment.

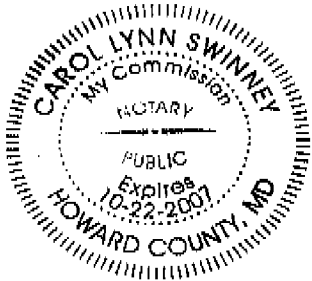
Richard R. Heisler SEAL 1/15/04 DATE  
Richard R. Heisler

STATE OF MARYLAND )  
COUNTY OF HOWARD )

On this 15<sup>th</sup> day of JANUARY, 2004, before me, the undersigned officer, personally appeared the above-named Richard R. Heisler, known to me or satisfactorily proven to be the person whose name is subscribed to within the instrument and acknowledged that he executed the same for the purpose therein contained.

In witness hereof I hereunto set my hand and official seal.

Carol Lynn Swinney  
Signature  
CAROL LYNN SWINNEY  
Printed Name



Notary Public  
My Commission expires 10-22-2007

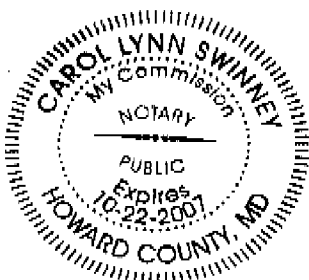
Clifford L. Ratliff SEAL 1/15/04 DATE  
Clifford L. Ratliff

STATE OF MARYLAND )  
COUNTY OF HOWARD )

On this 15<sup>th</sup> day of JANUARY, 2004, before me, the undersigned officer, personally appeared the above-named Clifford L. Ratliff, known to me or satisfactorily proven to be the person whose name is subscribed to within the instrument and acknowledged that he executed the same for the purpose therein contained.

In witness hereof I hereunto set my hand and official seal.

Carol Lynn Swinney  
Signature  
CAROL LYNN SWINNEY  
Printed Name



Notary Public  
My Commission expires 10-22-2007