

**PATENT ASSIGNMENT**

Electronic Version v07  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT				
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT OF ASSIGNOR'S INTEREST				
<b>CONVEYING PARTY DATA</b>					
<b>Name</b>	<b>Execution Date</b>				
Stephen W. Downing	2002-02-08				
<b>RECEIVING PARTY DATA</b>					
<b>Name</b>	<b>Street Address</b>	<b>Internal Address</b>	<b>City</b>	<b>State/Country</b>	<b>Postal Code</b>
University of Maryland, Baltimore	520 West Lombard Street		Baltimore	MARYLAND	21201- 1627
<b>PROPERTY NUMBERS Total: 1</b>					
<b>Property Type</b>	<b>Number</b>				
Application Number	09881045				
<b>CORRESPONDENCE DATA</b>					
<b>FAX NUMBER:</b> 6503273231 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO. <b>CUSTOMER NUMBER:</b> 024353					
<b>NAME OF PERSON SIGNING:</b>	Carol M. LaSalle				
<b>DATE SIGNED:</b>	2004-06-09				
<b>Total Attachments:</b> 2 source=Assign1.tif source=Assign2.tif					

**CH \$40.00 500815 09881045**

## ASSIGNMENT

UMB Docket Number: SD2001-048  
Attorney Reference: 034495/0101

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to Stephen W. Downing, the undersigned hereby sells and assigns to the **University of Maryland, Baltimore**, a constituent institution of the University System of Maryland, an agency of the State of Maryland, having an address at **520 West Lombard Street, Baltimore, MD 21201-1627** (assignee), his entire rights, titles and interests

*check applicable space(s)*     for the United States of America (as defined in 35 U.S.C. §100)  
 and throughout the world,

in the invention known as Apparatuses and Methods for Performing Minimally Invasive Diagnostic and Surgical Procedures Inside of a Beating Heart, for which application for patent were made in the United States of America on June 20, 2000 (also known as U. S. provisional application serial number 60/212,075); and on June 15, 2001 (also known as U.S. non-provisional application serial number 09/881,045), and in any and all non-provisional and/or PCT applications and/or foreign applications thereon, in any and all Letters Patent therefor, and in any and all reissues, extensions, renewals, reexaminations of such applications or Letters Patent and divisional and the continuing applications thereof to the full end of the term or terms for which such Letters Patent issue, such entire right, title and interest to be held and enjoyed by the above named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this Assignment and sale not been made.


The undersigned agrees to execute all papers necessary in connection with the application, non-provisional and/or PCT applications and/or foreign applications, and any continuing, divisional, reissue, reexamination or corresponding applications thereof and also to execute separate Assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agrees to execute all papers necessary in connection with any interference that may be declared concerning the application or any non-provisional, continuing, divisional, reissue or reexamination applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned hereby represents that undersigned has full right to convey undersigned's entire interest herein assigned, and that undersigned has not executed and will not execute any agreement in conflict therewith.

The undersigned hereby grants Mary Michelle Kile (Registration Number 35,217) or David L. Marks (Registration Number 37,881) power to insert in this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned on the date opposite his name:

Signature:  Date: 2/8/02  
Name: Stephen W. Downing Residence: 1407 Carrollton Avenue  
City: Baltimore State: Maryland Zip: 21204

City of/County of Baltimore }  
State of Maryland }

Subscribed and sworn to before me this 8<sup>th</sup> day of February <sup>aka</sup> ~~January~~, 2002.

Patricia K. Scherch, Notary Public  
Legalization-notarization not required for recording but is *prima facie* evidence of execution under 35 U.S.C. § 261).

Downing:Patent:PTO-SD01-048-Assignment