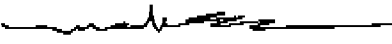


DOCUMENT ID NO.: 700025243

Attorney Docket No.: 53951.049

Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002) Tab settings ⇨ ⇨ ⇨		RECORDATION FORM COVER SHEET PATENTS ONLY		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies): <b>Jeffrey Burbank</b> <b>James Brugger</b> <b>Dennis Treu</b> <b>Robert Thomas</b> Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies) Name: <b>NxStage Medical, Inc.</b> Internal Address: _____ <b>5th Floor</b> <b>Lawrence, MA 01843 USA</b> Street Address: <b>439 South Union St</b> <b>Fifth Floor</b> City: <b>Lawrence</b> State: <b>MA</b> Zip: <b>01843</b> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ <b>02/27/2003 except Robert Thomas;</b> <b>03/03/2003 for Robert Thomas</b> Execution Date: _____		4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No.(s) <b>09/513,902</b> B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <b>Proskauer Rose LLP</b> Internal Address: <b>Patent Department</b> _____ _____ Street Address: <b>1585 Broadway</b> _____ City: <b>New York</b> State: <b>NY</b> Zip: <b>10036</b>		6. Total number of applications and patents involved: <b>1</b> 7. Total fee (37 CFR 3.41).....\$ <b>40.00</b> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: <b>16-2500</b> (Attach duplicate copy of this page if paying by deposit account)			
DO NOT USE THIS SPACE					
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> <b>Mark Catan (Reg. No. 38,720)</b> Name of Person Signing  Signature <b>April 18, 2003</b> Date Total number of pages including cover sheet, attachments, and documents: <b>5</b>					

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

700028358

PATENT  
REEL: 013583 FRAME: 0184

Attorney Docket No.: 53951.049

**ASSIGNMENT OF PATENT APPLICATION**

For value received, the undersigned sell(s), assign(s) and transfer(s) a 100% interest to:

**NxStage Medical, Inc.**

a corporation organized under the laws of:  
and having a place of business at:

**Massachusetts  
439 South Union Street  
5<sup>th</sup> Floor  
Lawrence, MA 01843  
United States of America**

to Assignee's successors, assigns and legal representatives or nominees as it may designate (collectively, hereinafter, "Assignee"), the entire right, title and interest, for:

☒ The United States of America and  
its Territories and Commonwealth  
and Possessions

☐ All countries  
throughout the world

in and to all inventions and improvements disclosed in an application for United States Patent entitled:

**LAYERED FLUID CIRCUIT ASSEMBLIES  
AND METHODS FOR MAKING THEM**

The above-entitled United States Patent application was:

☒ executed by the undersigned on: \_\_\_\_\_  
☒ filed in the United States Patent and Trademark Office on: 25 February 2000  
and assigned serial number: 09/513,902  
☐ filed as PCT International Application No.: \_\_\_\_\_  
on: \_\_\_\_\_

The undersigned assign(s) the rights for all patents, divisions, reissues, reexamination certificates, continuing applications and extensions thereof, together with the right of priority of any earlier corresponding patent application filed by the undersigned in the United States or elsewhere.

The undersigned covenant(s) that the rights and property conveyed by this Assignment are free and clear of any encumbrance, and that the undersigned have (has) full right to convey the rights and property as expressed herein.

Attorney Docket No.: 53951.049

The undersigned authorize(s) and request(s) that any and all patents on the aforesaid inventions be issued to Assignee.

The undersigned agree(s), when requested, without further charge to Assignee but at its expense, to communicate to Assignee or its representatives all facts known to the undersigned regarding the aforesaid inventions and improvements, testify in any legal proceeding, sign all papers, make all rightful oaths or declarations, execute all divisional, continuing, re-examination and reissue applications and generally perform all acts, which may be necessary, desirable or convenient, to aid Assignee in securing, maintaining and enforcing patents for the aforesaid inventions and improvements in the aforesaid countries, and for vesting title thereto in Assignee.

Date: 27-Feb-03  
James BRUGGERDate: 2/27/03  
Jeffrey BURBANKDate: 28 Feb 03  
Dennis TREU

Date: \_\_\_\_\_

  
Robert THOMAS

Attorney Docket No.: 53951.049

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Its Territories and Commonwealth  
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Date: \_\_\_\_\_

James BRUGGER

Date: \_\_\_\_\_

Jeffrey BURBANK

Date: \_\_\_\_\_

Dennis TREUDate: 03-03-03Robert W. Thomas  
Robert THOMAS