

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Stephen W. Smith</td><td>03/22/1999</td></tr><tr><td>Edward D. Light</td><td>03/22/1999</td></tr><tr><td>Jason O. Fiering</td><td>02/10/1999</td></tr><tr><td>David M. Blaker</td><td>08/24/1998</td></tr><tr><td>Thomas A. Hruschka</td><td>07/16/1998</td></tr></tbody></table>	Name	Execution Date	Stephen W. Smith	03/22/1999	Edward D. Light	03/22/1999	Jason O. Fiering	02/10/1999	David M. Blaker	08/24/1998	Thomas A. Hruschka	07/16/1998	
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RECEIVING PARTY DATA													
Name:	Duke University												
Street Address:	P.O. Box 90083												
City:	Durham												
State/Country:	NORTH CAROLINA												
Postal Code:	27708												
PROPERTY NUMBERS Total: 2													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>09546721</td></tr><tr><td>Application Number:</td><td>09916380</td></tr></tbody></table>	Property Type	Number	Application Number:	09546721	Application Number:	09916380							
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CORRESPONDENCE DATA													
Fax Number:	(919)854-1401												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	919-854-1400												
Email:	kcarlos@myersbigel.com												
Correspondent Name:	Myers Bigel Sibley & Sajovec, P.A.												
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ATTORNEY DOCKET NUMBER:	5405-228DV & 5405-228DV2												
NAME OF SUBMITTER:	Kirsten S. Carlos												

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PATENT

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REEL: 021381 FRAME: 0604

Total Attachments: 6

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PATENT

REEL: 021381 FRAME: 0605

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Stephen W. Smith**, a citizen of the United States of America, residing at 4816 Montvale Drive, Durham, North Carolina 27705; **Edward D. Light**, a citizen of the United States, residing at 3307 Middlebrook Court, Durham, North Carolina 27705; **Jason O. Fiering**, citizen of the United States of America, residing at 829 Wilkerson Avenue, Durham, North Carolina 27701; **David M. Blaker**, a citizen of the United States, residing at 1617 Bellechase Road, Hillsborough, North Carolina 27278; and **Thomas A. Hruschka**, a citizen of the United States of America, residing at 138 S. Johnson Street, Ada, Ohio 45810, respectively;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **IMAGING PROBES AND CATHETERS FOR VOLUMETRIC INTRALUMINAL ULTRASOUND IMAGING AND RELATED SYSTEMS** for which an application for United States Letters Patent has been filed in the United States Patent and Trademark Office on May 8, 1998, under Serial No. 09/074,907, and

WHEREAS, **Duke University**, an educational institution having a principal place of business at Erwin Road, City of Durham, State of North Carolina, hereinafter referred to as assignee, is desirous of acquiring the entire right, title, and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we

PATENT

REEL: 021381 FRAME: 0606

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 22 day
of March, 1998.⁹

Edward D. Light (SEAL)
Edward D. Light

STATE OF NORTH CAROLINA)
COUNTY OF Durham) ss:

Before me personally appeared Edward D. Light, to me known to be the person
described in and who executed the foregoing instrument, and he acknowledged to me that he
executed the same for the purposes therein stated, this 22 day of March,
1998.⁹

SEAL

Ellen M.
Notary Public

My Commission Expires: May 3, 2003

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 10 day
of FEBRUARY, 1998. ¹⁹⁹⁹

[Signature] (SEAL)
Jason O. Fiering

STATE OF NORTH CAROLINA)
) ss:
COUNTY OF Wake)

Before me personally appeared Jason O. Fiering, to me known to be the person
described in and who executed the foregoing instrument, and he acknowledged to me that he
executed the same for the purposes therein stated, this 10th day of February,
1998.
¹⁹⁹⁹

SEAL. [Signature]
Notary Public

My Commission Expires: Jan 05, 2003

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 24th day of August, 1998.

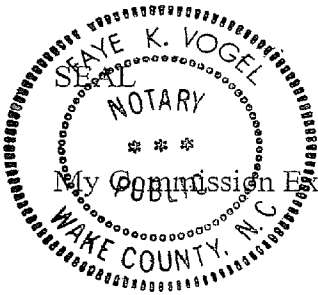
David M. Blaker (SEAL)
David M. Blaker

STATE OF NORTH CAROLINA)
) SS:
COUNTY OF Wake)

Before me personally appeared David M. Blaker, to me known to be the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this 24 day of AUGUST, 1998.

Jaye K Vogel
Notary Public

My Commission Expires: 10-28-98



IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 16 day
of July, 1998.

Thomas A. Hruschka (SEAL)
Thomas A. Hruschka

STATE OF Ohio)

COUNTY OF Hardin) ss:

Thomas A. Hruschka *mms*

Before me personally appeared ~~Stephen W. Smith~~, to me known to be the person
described in and who executed the foregoing instrument, and he acknowledged to me that he
executed the same for the purposes therein stated, this 16th day of July,
1998.

SEAL

Mary M. Pryer
Notary Public

My Commission Expires: 3-30-00