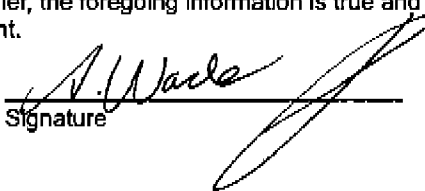


Docket No. 185801/US

FORM PTO 1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)	RECORDATION COVER SHEET PATENTS ONLY	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.		
1. Name(s) of conveying party(ies): Joshua L. Dudley, Donald George Goblisch, Jr. and William Emerson Butler Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No 3. Nature of conveyance: ☒ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other _____ Execution Date: 09/16/2005; 09/19/2005; 09/16/2005	2. Name and address of receiving party(ies) Name: St. Jude Medical, Daig Division, Inc. Internal Address: Street Address: 14901 DeVeau Place City: Minnetonka State: MN ZIP: 55345 Country: U.S.A. Additional name(s) & address(es) attached ☐ Yes ☒ No	
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) 10/170,550	B. Patent No.(s)	
Additional numbers attached? ☐ Yes ☒ No		
5. Name and address of party to whom correspondence concerning document should be mailed: Name: S. Wade Johnson Internal Address: DORSEY & WHITNEY LLP Street Address: Republic Plaza Building, Suite 4700 370 Seventeenth Street City: Denver State: CO ZIP: 80202	6. Total Number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) . . . 1 x \$40. \$40 ☐ Enclosed ☒ Authorized to be charged to deposit account 8. Deposit Account number: 04-1415 (Attach duplicate copy of this page if paying by deposit account)	
DO NOT USE THIS SPACE		
9. Statement and signature. 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. S. Wade Johnson  Signature 11-3-05 Date		
Total number of pages including cover sheet, attachments, and document: 5		
Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of the US Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450		

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 PATENT
REEL: 016978 FRAME: 0040

Docket No. 185801/US

ASSIGNMENT

WHEREAS, we, Joshua L. Dudney, residing at 3300 21st Ave. S, Minneapolis, Minnesota 55407, Donald George Goblish, Jr., residing at 2400 Interlachen Road, Apartment 107, Spring Park, Minnesota 55384, and William Emerson Butler, residing at 2120 Aldrich Avenue S., #305, Minneapolis, Minnesota 55405 (hereinafter, individually and collectively the "Assignor"), have invented certain new and useful systems, devices, and methods disclosed and described in a utility application for Letters Patent in the United States ("U.S."), titled "Actuation Handle for a Catheter," which can be identified in the United States Patent and Trademark Office ("USPTO") by Application No. 11/170,550, filed on June 28, 2005 (the "Utility Application") with attorney docket no. 185801/US, and

WHEREAS, Assignor desires to assign any and all right, title and interest to said Utility Application, and any provisional, non-provisional, continuation, continuation-in-part, divisional, international, foreign, regional and convention applications corresponding thereto, and any and all Letters Patent of the United States and countries and regions foreign thereto which may grant or have granted thereto or be lodged in relation thereto, any reissue or reexamination thereof or to be obtained therefor, any renewals, or substitutes thereof, and any and all priority rights or priority claims, International Convention rights, any and all rights to collect past damages for infringement of any and all Letters Patent of the United States and countries and regions foreign thereto which may be published, which may grant, or have granted thereto or be lodged in relation thereto, and other benefits accruing to or to accrue to Assignor with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto (the "Patent Rights");

WHEREAS, St. Jude Medical, Daig Division, Inc., a corporation organized and existing under the laws of the State of Minnesota, and having its principal place of business at 14901 DeVeau Place, Minnetonka, Minnesota 55345 (the "Assignee"), desires to acquire any and all, right, title, and interest of Assignor in and to the invention(s), the Patent Rights, and in, to, and under any and all Letters Patent to be obtained therefor;

NOW THEREFORE, for the sum of \$1.00 and other good and valuable consideration to Assignor in hand paid, the receipt and sufficiency of which are hereby acknowledged, Assignor has sold, assigned, and transfer and by these presents does hereby sell, assign and transfer to the said Assignee, and said Assignee's legal representatives, successors and assigns, any and all of the entire right, title and interest in and to the invention(s), Patent Rights, and any and all Letters Patent to be obtained therefor;

UPON SAID CONSIDERATION, the Assignor hereby covenants and agrees with the said Assignee that it will not execute any writing or do any act whatsoever conflicting with these presents, and that it will, at any time upon request, without further or additional consideration, but at the expense of the said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, provisionals, non-provisionals, continuations, continuations-in-part, continuing prosecutions, divisionals, renewals, reissues, reexamined or extended Letters Patent

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of the United States, or of any and all foreign countries, on said Patent Rights, and execute confirmatory assignments or acknowledgments of this assignment as necessary for full enjoyment of the Patent Rights and for recording in foreign patent offices, and in enforcing any rights or choses in action accruing as a result of such Patent Rights, by giving testimony in any proceedings or transactions involving such Patent Rights, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of both parties;

UPON SAID CONSIDERATION, Assignor represents and warrants that Assignor has the right, title, and authority to execute this Assignment and to convey any and all right, title, and interest in the Patent Rights, and that Assignor has not conveyed nor will convey hereafter all or part of the Patent Rights to a third party;

ASSIGNOR HEREBY AUTHORIZES said Assignee, its successors, and assigns, or anyone it may properly designate, to apply for Letters Patent in the U.S. and any and all foreign countries and regions, in its own name if desired, and additionally to claim priority to the filing date of the Utility Application and otherwise take advantage of the provisions of any international conventions.

ASSIGNOR HEREBY AUTHORIZES Assignee, its successors and assigns, or anyone it may properly designate, to insert in this instrument the application number, filing date, and title of the Utility Application once known.

IN WITNESS WHEREOF, the Assignor hereunto has executed this Assignment upon the date indicated below.

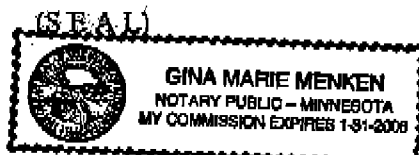
Date: 16-Sep-05

By: Joshua L. Dudney

Joshua L. Dudney

STATE OF MN)
COUNTY OF Hennepin) ss.

On this 16th day of September, 2005, before me a Notary Public in and for said county, personally appeared Joshua L. Dudney who executed the foregoing instrument and acknowledged that he signed, sealed and delivered the same instrument as a free and voluntary act for the purposes and considerations therein expressed.



Gina Marie Menken
Notary Public

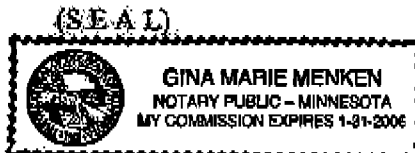
My commission expires: 1/31/2008

Docket No. 185801/US

IN WITNESS WHEREOF, the Assignor hereunto has executed this Assignment upon the date indicated below.

Date: 19-Sept-05By: Donald George Goblisch, Jr.
Donald George Goblisch, Jr.STATE OF MNCOUNTY OF Hennepin ss.

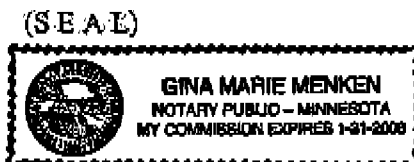
On this 19th day of September, 2005, before me a Notary Public in and for said county, personally appeared Donald George Goblisch, Jr. who executed the foregoing instrument and acknowledged that he signed, sealed and delivered the same instrument as a free and voluntary act for the purposes and considerations therein expressed.

Gina Marie Menken
Notary PublicMy commission expires: 1/31/2006

IN WITNESS WHEREOF, the Assignor hereunto has executed this Assignment upon the date indicated below.

Date: 16-SEPT-05By: William Emerson Butler
William Emerson ButlerSTATE OF MNCOUNTY OF Hennepin ss.

On this 16th day of September, 2005, before me a Notary Public in and for said county, personally appeared William Emerson Butler who executed the foregoing instrument and acknowledged that he signed, sealed and delivered the same instrument as a free and voluntary act for the purposes and considerations therein expressed.

Gina Marie Menken
Notary PublicMy commission expires: 1/31/2006

Docket No. 183801/US

ACCEPTANCE OF ASSIGNMENT

The Assignee hereby acknowledges and accepts the foregoing assignment of rights by Assignor.

IN TESTIMONY WHEREOF, the Assignee, by its undersigned officer, confirms its acceptance on the date and in the place set forth below.

St. Jude Medical Daig Division, Inc.

Date: 10/13, 2005

By:

Name: Jane L. SongTitle: President

STATE OF _____)

) ss.

COUNTY OF _____)

On this _____ day of _____, 2005, before me a Notary Public in and for said county, personally appeared _____, the above-mentioned representative of the Assignee, St. Jude Medical Daig Division, Inc., who executed the foregoing patent Assignment, and represented and acknowledged that he/she had the requisite corporate authority to execute and accept this patent Assignment and the same was executed as a free act and deed.

(S.E.A.L.)

Notary Public

My commission expires: _____

FAX COVER SHEET

The information contained in this facsimile message, if a client of this firm is a named addressee, or the message is otherwise intended for a client, is presumptively legally privileged and confidential information. If you are not a named addressee, or if there is any reason to believe that you may have received this message in error, (1) do not read the message below; (2) do not distribute or copy this facsimile; and (3) please immediately call us collect at the number of the sender below.

DATE:	November <u>3</u> , 2005	TOTAL # OF PAGES: (INCLUDING THIS COVER SHEET)	5
TO:	ASSIGNMENT BRANCH	FAX #:	(571) 273-0140
FIRM NAME:	U.S. Patent and Trademark Office	PHONE #:	(703) 308-9723
FROM:	S. Wade Johnson	FAX #:	(303) 629-3450
PHONE #:	(303) 629-3423	EMAIL:	Johnson.wade@dorsey.com

COMMENTS:**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor(s):	Dudney et al.	Atty. Docket No.:	185801/US
Appln. No.:	11/170,550	Confirmation No.:	2302
Filing Date:	June 28, 2005	Group Art Unit:	3681
Title:	ACTUATION HANDLE FOR A CATHETER		

CERTIFICATE OF TRANSMISSION

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING FACSIMILE TRANSMITTED TO THE UNITED STATES PATENT AND TRADEMARK OFFICE
FAX No. (571) 273-0140, ON NOVEMBER 3, 2005.


(PERSON MAKING THE TRANSMISSION OR ATTORNEY OF RECORD)

Attached Correspondence: Recordation Cover Sheet for Assignment (1 page); Assignment (4 pages)

Original will be sent via: ☐ Mail ☐ Messenger ☐ Air Courier ☒ Will not be sent

PLEASE CONTACT ELISSA FERGUSON AT (303) 352-1153 IF THIS TRANSMISSION IS INCOMPLETE OR CANNOT BE READ.

Reference# 5098/438601-32

RECORDED: 11/03/2005

PATENT
REEL: 016978 FRAME: 0045