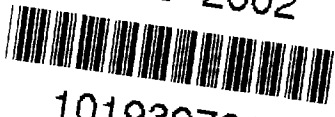


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1. Name of conveying party(ies):  
  
Patrick D. Wolf, Ph.D. **12-27-01**

2. Name and address of receiving party(ies)  
Name: Duke University  
Internal Address: \_\_\_\_\_

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:  
☒ Assignment ☐ Merger  
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Execution Date: 12/21/01

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4. Application number(s) or patent number(s): **10, 033740**  
If this document is being filed together with a new application, the execution date of the application is: 12/21/2001

01/04/2002 01/04/2002  
02 FC:581  
A. Patent Application No(s)  
40.00 OP

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Brian J. Pangrle  
Internal Address: Lee & Hayes, PLLC  
421 W. Riverside Ave., Suite 500

Street Address: \_\_\_\_\_

City: Spokane State: WA Zip: 99201

6. Total number of applications and patents involved: ☐

7. Total fee (37 CFR 3.41).....\$ 40.00

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*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.*  
Brian J. Pangrle, Reg. #42,973 **12-27-01**  
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Total number of pages including cover sheet, attachments, and documents: 2

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**ASSIGNMENT**

FOR GOOD AND VALUABLE CONSIDERATION, I

Patrick D. Wolf, Ph.D.  
2803 Nation Avenue  
Durham, NC 27707

1. HEREBY sell, assign, and transfer to Duke University, herein the "Assignee," the entire right, title and interest in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, and is entitled

**REDUCTION OF DEFIBRILLATION REQUIREMENTS THROUGH ACTIVE PRE-SHOCK PACING WITH DEPOLARIZATION VERIFICATION**

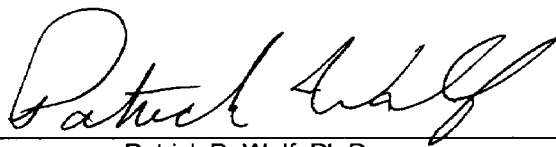
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and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

2. AGREE that Assignee may apply for and receive Letters Patent for said improvements in its own name, and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns, and legal representatives who carry out in good faith the intent and purpose of this agreement, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

3. COVENANT with said Assignee, its successor, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 12/21/01

Signature:   
Patrick D. Wolf, Ph.D.