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FORM PTO-1595
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)
Docket No. GUID.040PA (01-114)

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Joseph BOCEK Jacho KIM Anthony HARRINGTON	2. Name and address of receiving party(ies): Cardiac Pacemakers, Inc. 4100 Hamline Avenue North Saint Paul, MN 55112-5798
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

3. Nature of conveyance:
☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☒ Other: To Correct original Recordation of Assignment at
Reel/Frame No. **01322/0055**

Execution Date: August 7, 2002; August 7, 2002; August 7, 2002

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. Patent No.(s)
10/121,944 filed on April 12, 2002.	

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Mark A. Hollingsworth Address: CRAWFORD PLLC 1270 Northland Drive Suite 390 St. Paul, MN 55120	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41): \$40 <input checked="" type="checkbox"/> Authorized to be charged to deposit account 50-0996 (GUID.040PA).
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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.

Mark A. Hollingsworth: Name of person signing	 Signature	6/24/04 Date
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08-29-2002

FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

Docket No. GUID.040PA (01-114)



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Joseph BOCEK
Jaeho KIM
Anthony HARRINGTON

8'26.02

2. Name and address of receiving party(ies):

Guidant Corporation CARDIAC PACE MAKERS, Inc.
4100 Hamline Avenue North
Saint Paul, MN 55112-5798Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ NoAdditional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

Execution Date: August 7, 2002

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: April 12, 2002

A. Patent Application No.(s)

B. Patent No.(s)

10/121,944 filed on April 12, 2002.Additional numbers attached? ☐ Yes ☒ No

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

Name: Mark A. Hollingsworth
Address: CRAWFORD PLLC
1270 Northland Drive
Suite 390
St. Paul, MN 55120

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40

☒ Authorized to be charged to deposit account 30-0996 (GUID.040PA).

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9. Statement and signature:

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Mark A. Hollingsworth

Name of Person Signing

Signature

August 19, 2002

Date

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08/28/2002 LMUELLER 00000149 500996 10121944

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PATENT
REEL: 014774 FRAME: 0786

Docket No. GUID.040PA (01-114)

ASSIGNMENT

WHEREAS, I/we, Joseph Bocek, residing at 857 E. Gwinn Pl., Seattle, Washington 98102, Jaeho Kim, residing at 13323 NE 69th Way, Redmond, Washington 98052, and Anthony Harrington, residing at 19800 242nd Ave. NE, Woodinville, Washington 98072, made certain new and useful inventions and improvements for which I/we herewith file an application for letters Patent of the United States, which is entitled METHOD AND SYSTEM FOR CHARACTERIZING SUPRAVENTRICULAR RHYTHM DURING CARDIAC PACING.

AND WHEREAS, Cardiac Pacemakers, Inc., a corporation organized and existing under and by virtue of the laws of the State of Minnesota, and having an office and place of business at 4100 Hamline Avenue North, St. Paul, MN 55112, (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, I/we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and I/we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, I/we do hereby agree that I/we and my/our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me/us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions,

applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore I/we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us and that full right to convey the same as herein expressed is possessed by me/us.

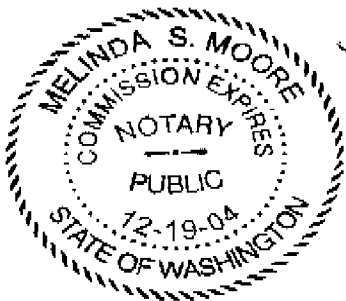
IN TESTIMONY WHEREOF, I have hereunto set my hand this 7 day of August, , 2002.

Joseph M Bocek
Joseph Bocek

STATE OF Washington)
COUNTY OF King) ss.

On this 7 day of August, 2002, before me personally appeared Joseph Bocek, known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]



Melinda S. Moore
Notary Public

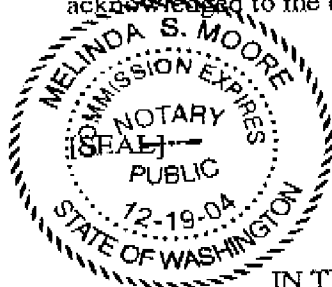
IN TESTIMONY WHEREOF, I have hereunto set my hand this 7 day of

August, 2002.

Jaeho Kim
Jaeho Kim

STATE OF Washington,
COUNTY OF King) ss.

On this 7 day of August, 2002, before me personally appeared Jaeho Kim, known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.



Melinda S. Moore
Notary Public

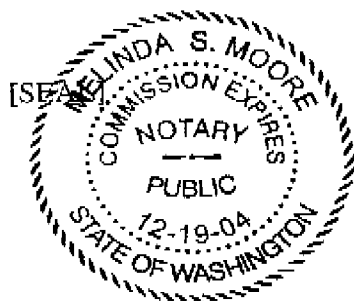
IN TESTIMONY WHEREOF, I have hereunto set my hand this 7 day of

AUGUST, 2002.

Anthony Harrington
Anthony Harrington

STATE OF Washington,
COUNTY OF King) ss.

On this 7 day of August, 2002, before me personally appeared Anthony Harrington, known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.



Melinda S. Moore
Notary Public