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

1. Name of conveying party(ies):  
**Israel Dubin and Charles M. Erwin**

Additional names(s) of conveying party(ies)  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: **November 29, 1999**

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

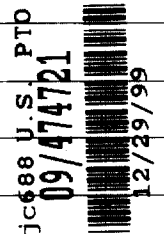
Name: **RadiSys Corporation**

Internal Address: \_\_\_\_\_

Street Address: **5445 NE Dawson Creek Drive**

City: **Hillsboro** State: **OR** ZIP: **97124**

Additional name(s) & address(es) attached?  Yes  No



4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: **November 29, 1999**

A. Patent Application No.(s) \_\_\_\_\_ B. Patent No.(s) \_\_\_\_\_

**09/474721** Additional numbers attached?  Yes  No

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

Name: **Andrew G. DiNovo**

Internal Address: **VINSON & ELKINS LLP**

Street Address: **2300 First City Tower**

**1001 Fannin**

City: **Houston** State: **TX** ZIP: **77002**

6. Total number of applications and patents involved: **1**

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

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

8. Deposit account number:  
**22-0365/TEX822/36000**

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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.*

**Andrew G. DiNovo** *Andrew DiNovo* **December 29, 1999**

Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: **3**

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, to hereby:

SELL, ASSIGN AND TRANSFER to RadiSys Corporation (the "Assignee"), having a place of business at 5445 NE Dawson Creek Drive, Hillsboro, Oregon, 97124, the entire right title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent which has been filed concurrently herewith and is entitled "**METHOD AND APPARATUS FOR HEAT DISPERSION FROM THE BOTTOM SIDE OF INTEGRATED CIRCUIT PACKAGES ON PRINTED CIRCUIT BOARDS,**" such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper protection for such improvements;

