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To the Director of the United States Patent and Trademark Office. Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

**Ernest E. Bergmann**  
**Jorge E. Franke**  
**John S. French**  
**William J. Thompson**

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

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

Name: **Circadiant Systems, Inc.**Address: **7660 Imperial Way****Suite C-103**City: **Allentown**State/Prov.: **PA**Country: **USA**ZIP: **18195**

Additional name(s) &amp; address(es)

☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherExecution Date: **July 19, 2004**

## 4. Application number(s) or patent numbers(s):

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

Patent Application No.

Filing date

B. Patent No.(s)

Additional numbers

☐ Yes ☒ No

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

Name: **William S. Francos**Registration No. **38,456**Address: **One Freedom Square****11951 Freedom Drive****Suite 1260**City: **Reston**State/Prov.: **VA**Country: **USA**ZIP: **20190**

## 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:

**50-0238**

(Attach duplicate copy of this page if paying by deposit account)

## 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.***William S. Francos**

Name of Person Signing

Signature

**July 28, 2004**

Date

3

Total number of pages including cover sheet, attachments, and

Mail documents to be recorded with required cover sheet information to:  
Mail Stop Assignment Recordation Services  
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08/04/2004 ECDPER-0000079-500238

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# ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of

the undersigned

Insert Name(s) of Inventor(s) Ernest E. Bergmann, Jorge E. Franke, John S. French and William J. Thompson

the undersigned hereby sell(s) and assign(s) to

Insert Name(s) of Assignee(s) Circadian Systems, Inc.

Address of 7660 Imperial Way, Suite C-103, Allentown, PA 18195

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

Title of Invention METHOD OF DETERMINING JITTER AND APPARATUS FOR DETERMINING JITTER

Date of Signing of Application for which an application for patent in the United States of America has been executed by the undersigned on July 19, 2004

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) to Adam C. Volentine, Reg. No. 33,289 and William S. Francos, Reg. No. 38,456, and the firm of VOLENTINE FRANCO, P.L.L.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date July 19, 2004, Name of Inventor Ernest E. Bergmann  
Ernest E. Bergmann  
Date JULY 19, 2004, Name of Inventor Jorge E. Franke  
Jorge E. Franke  
Date July 19, 2004, Name of Inventor John S. French  
John S. French  
Date July 19, 2004, Name of Inventor William J. Thompson  
William J. Thompson

(Note regarding Witnessing and/or Acknowledgment: Acknowledgment before a United States Consul is preferred but not required. If not acknowledged, then it is recommended that the execution by the Inventor(s) be witnessed by at least two witnesses who sign here. However, the current practice of the U.S. Patent and Trademark Office is to record an Assignment even if it has not been acknowledged and/or witnessed.)

Witness

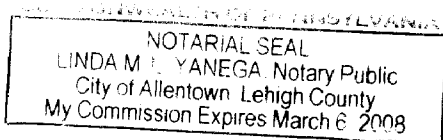
Witness

## ACKNOWLEDGMENT

STATE OF PENNSYLVANIA }  
COUNTY OF LEHIGH } ss

This 19th day of JULY, 2004, before me personally came the above-named ERNEST E. BERGMANN, JORGE E. FRANKE, JOHN S. FRENCH AND WILLIAM J. THOMPSON to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

SEAL



Linda M. Yanega  
Official Signature  
NOTARY PUBLIC  
Official Title

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Applicant Reference No.: APP.0016 Atty. Docket No.: CIRC.016

Serial No.: \_\_\_\_\_ Filing Date: \_\_\_\_\_