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U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

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

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

SiGe Semiconductor Inc.

5/21/04

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

Name: GENNUM CORPORATION

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

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

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Street Address: 970 Fraser Drive

Burlington, Ontario, L7L 5P5, CANADA

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Execution Date: 05/07/2004

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) 10/279,719

10/657,088, 10/654,969, 10/655,461

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

Additional numbers attached? ☒ Yes ☐ No

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

Name: Terry L. LEIER

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

BLAKE, CASSELS &amp; GRAYDON LLP

Street Address: 20th Floor, 45 O'Connor Street

Ottawa, Ontario, K1P 1A4, CANADA

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

6. Total number of applications and patents involved: ☐

7. Total fee (37 CFR 3.41).....\$ 200.00

☐ Enclosed☒ Authorized to be charged to deposit account

## 8. Deposit account number:

501456

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## 9. Signature.

Terry L. Leier, Reg. No. 41,554

Name of Person Signing

Signature

May 19, 2004

Date

Total number of pages including cover sheet, attachments, and documents: 8

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments  
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05/25/2004 GT0N11

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PATENT  
REEL: 015363 FRAME: 0677

**RECORDATION FORM COVER SHEET**

**PATENTS ONLY**

**CONTINUATION – PAGE 2**

**Conveying Party: SiGe SemiConductor Inc.**

**Receiving Party: GENNUM CORPORATION**

**4. Continuation of Application number(s) or patent number(s):**

**A. Patent Application No. 10/654,970**

## PATENT ASSIGNMENT

**This Patent Assignment** is made as of May 7th, 2004 (the "Effective Date") by and between:

**SiGe Semiconductor Inc.**, a corporation incorporated under the *Canada Business Corporations Act* whose principal office or place of business is 2680 Queensview Drive, Ottawa, ON K2B 8J9 (hereinafter called "Assignor"); and

**Gennum Corporation**, a corporation incorporated under the laws of Canada whose principal office or place of business is 970 Fraser Drive, Burlington, ON L7L 5P5 (hereinafter called "Assignee");

**WHEREAS** the Assignor and Assignee executed a purchase agreement dated May 7th, 2004, which provides for the purchase by Assignee of certain patent rights of Assignor;

**NOW THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor does hereby sell, assign and transfer to the Assignee and its successors and assigns:

- (i) Assignor's entire right, title and interest in Canada, the United States and throughout the world to the patents and patent applications listed in Schedule "A" attached hereto, including any and all inventions described therein, and in any and all continuations-in-part, continuations, divisions, substitutes, re-issues, re-examinations, or extensions thereof, and all other applications for patent relating thereto which have been filed, or hereafter shall be filed, in Canada, the United States or in any other jurisdiction and further including all rights under treaties to file and prosecute patent applications corresponding to the preceding patents and patent applications (the "Patents");
- (ii) all of Assignor's corresponding right, title and interest in and to any patents which may issue therefor, the same to be held and enjoyed by Assignee to the full end of the term for which the said patent is granted and maintained, as fully and entirely as the same could have been held and enjoyed by Assignor, and;
- (iii) the right to take action and recover in respect of any infringement of the Patents that took place prior to the Effective Date of this Assignment.

The Assignor hereby authorizes the issuance of any and all registrations for the Patents to the Assignee, its successors, assigns or legal representatives.

The Assignor, on behalf of itself, its successors, assigns and legal representatives, hereby covenants and agrees, without further consideration, to do all such lawful acts and things and to execute such further lawful assignments, documents, assurances, applications and other instruments as reasonably may be required by the Assignee, its successors, assigns or legal representatives, to obtain any and all registrations for the Patents and to vest the same in the Assignee, its successors, assigns or legal representatives.

The Assignor hereby agrees to execute and sign all documents required to effect a recordation of the assignment of the Patents and registrations thereof before the proper office or agency.



(SiGe Semiconductor Inc. Patent Assignment) Page 2

EXECUTED at Ottawa, Ontario, this 7<sup>th</sup> day of May, 2004.

"Assignor"

SiGe Semiconductor Inc.

By:

Name:

R. STEPHEN BOWER

Title:

CEO

**STATEMENT OF WITNESS**

I, Christy Allen, whose full post office address is  
2-582 Lisgar St. Ottawa, Ontario, K1R 5H7, was  
personally present and did see R. Stephen Bower, who is known to me,  
execute the above assignment.

Christy Allen  
Name: Christy Allen  
Date: May 7, 2004

(SiGe Semiconductor Inc. Patent Assignment) Page 3

EXECUTED at Toronto, Ontario, this 7<sup>th</sup> day of May, 2004.

"Assignee"

Gennum Corporation


By: 

Name: John Mackie

Title: General Counsel & Corporate  
Secretary

**STATEMENT OF WITNESS**

I, KATHY KITCHEN, whose full post office address is  
970 FRASER DRIVE, BURLINGTON, ONTARIO, was  
personally present and did see JOHN MACKIE, who is known to me,  
execute the above assignment.

  
Name: KATHY KITCHEN

Date: MAY 7, 2004.

**SCHEDULE "A"****SiGe Semiconductor Inc.****UNITED STATES PATENT APPLICATIONS**

<b>Application/Patent No.</b>	<b>Title</b>
U.S. 10/279,719	Direct Attach Optical Receiver Module and Method of Testing
U.S. 10/657,088	Elevated Front-End Transimpedance Amplifier
U.S. 10/654,969	Improved Power Supply Rejection for High Bandwidth Transimpedance Amplifier Circuits (TIAs)
U.S. 10/655,461	Triode Region MOSFET Current Source to Bias a Transimpedance Amplifier
U.S. 10/654,970	Fully Integrated Received Signal Strength Indicator for A Transimpedance Amplifier

**OTHER PATENT APPLICATIONS**

<b>Application/Patent No.</b>	<b>Title</b>
PCT/CA03/01614	Direct Attach Optical Receiver Module and Method of Testing