

01-31-2003

Form PTO-1595
(Rev. 03/01)

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OMB No. 0651-0027 (exp. 5/31/2002)
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102354999

Our File No. 115-09(5) US

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

1. Name of conveying party(ies):

- 1) **Stefan Fulga**
- 2) **David Rahn**
- 3) **Michael Toner**
- 4) **John Rogers**
- 5) **Brian Robar**
- 6) **Zhan Feng Zhou**

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

2. Name and address of receiving party(ies)

Name: **SiGe Semiconductor Inc.**
 Street Address: **2680 Queensview Drive**
 City: **Ottawa**
 Province: **Ontario**
 Postal Code: **K2B 8J9**
 Country: **Canada**

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

3. Nature of conveyance:

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

Execution Date: **January 22, 2003**

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: **January 24, 2003**

A. Patent Application No.(s):

B. Patent No.(s):

10/349941

Additional numbers attached? Yes No

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

Name: **Freedman & Associates**
 Street Address: **117 Centrepointhe Drive, Suite 350**
 City: **Nepean**
 Province: **Ontario**
 Postal Code: **K2G 5X3**
 Country: **Canada**

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

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

Authorized to be charged to deposit account

8. Deposit account number:

50-1142

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

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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.

Gary Morris, Reg. No. 40,735

(Name of Person Signing)

(Signature)

JANUARY 24, 2003

(Date)

Total number of pages including cover sheet, attachments, and documents: **2**

JC879 U.S. PTO
10/349941
01/24/03

**ASSIGNMENT OF INVENTION
UNIVERSAL**

WHEREAS, We

Stefan Fulga, whose full post office address is
57 Fitzwalter Place, Chelmsford Road, Great Dunmow, Essex, CM6 1HB, United Kingdom

David Rahn, whose full post office address is
31 Beauford Drive, Kanata, Ontario, K2L 1Z5, Canada

Michael Toner, whose full post office address is
24 Laurentide Road, Nepean, Ontario, K2H 6T7, Canada

John Rogers, whose full post office address is
9 Bayside Private, Ottawa, Ontario, K1V 9R3, Canada, and

Brian Robar, whose full post office address is
7 Wilton Close, Bishops Stortford, Herts, CM23 FJN, United Kingdom

Zhan Feng Zhou, whose full post office address is
7 Wilton Close, Bishops Stortford, Herts, CM23 FJN, United Kingdom

have invented certain improvements described in U.S. Provisional Application No. 60/351,011 filed January 25, 2002 and in a Patent Application entitled **Method of Using Control Loops in a Broadband Cable Tuner** filed herewith, and;

WHEREAS, SiGe Semiconductor Inc. (hereinafter referred to as the assignee), whose full post office address is 2680 Queensview Drive, Ottawa, Ontario, K2B 8J9, Canada is desirous of acquiring the entire right, title and interest in and to said invention or inventions and in and to any and all patents to be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other valuable consideration, the receipt of which is hereby acknowledged, we have and by these presents do hereby sell, assign and transfer unto said assignee, its successors and assigns, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application, and in and to any applications filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents, reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions, and any divisional, continuation, substitute application(s) or supplementary disclosure(s) which may be filed upon said invention or inventions, in any country; and we hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said assignee.


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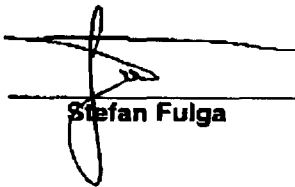
**ASSIGNMENT OF INVENTION
UNIVERSAL**

WE FURTHER AGREE without any payment by said assignee other than expenses incurred by the undersigned, to communicate to said assignee, its representatives or agents, any facts relating to said invention or inventions, including evidence for interference purposes or for other proceedings, whenever requested; testify in any interference or other proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective, and likewise make these provisions binding upon our heirs, legal representatives, administrators and assigns.

WITNESS:

BRIAN ROBAR
Printed name of Witness


Signature of Witness

 *Date: 22/01/03*
Stefan Fulga

WITNESS:

Printed name of Witness

Signature of Witness

Date:
David Rahn

WITNESS:

Printed name of Witness

Signature of Witness

Date:
Michael Toner

WITNESS:

Printed name of Witness

Date:
John Rogers

ASSIGNMENT OF INVENTION UNIVERSAL

WE FURTHER AGREE without any payment by said assignee other than expenses incurred by the undersigned, to communicate to said assignee, its representatives or agents, any facts relating to said invention or inventions, including evidence for interference purposes or for other proceedings, whenever requested; testify in any interference or other proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective, and likewise make these provisions binding upon our heirs, legal representatives, administrators and assigns.

WITNESS:

Printed name of Witness

Stefan Fulga *Date:* _____

Signature of Witness

WITNESS:

John Rogers
Printed name of Witness

David Rahn *Date: Jan 22/03*
David Rahn

[Signature]
Signature of Witness

WITNESS:

DAVID RAHN
Printed name of Witness

Michael Toner *Date: Jan 22/2003*
Michael Toner

David Rahn
Signature of Witness

WITNESS:

DAVID RAHN
Printed name of Witness

[Signature] *Date: Jan 22/03*
John Rogers

David Rahn

Our File No. 115-09(5) US

**ASSIGNMENT OF INVENTION
UNIVERSAL**

Signature of Witness

WITNESS:

STEFAN FULGA
Printed name of Witness

[Signature]
Signature of Witness

WITNESS:

Printed name of Witness

Signature of Witness

[Signature] *Date: 22/01/03*
Brian Robar

Zhan Feng Zhou *Date:* _____

Our File No. 115-09(5) US

**ASSIGNMENT OF INVENTION
UNIVERSAL**

Signature of Witness

WITNESS:

Printed name of Witness

Brian Robar

Date: _____

Signature of Witness

WITNESS:

Donna Brennan
Printed name of Witness

Donna Brennan
Signature of Witness

Zhan Feng Zhou

Date: Jan 22/2003