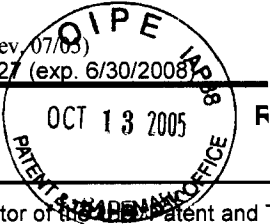


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To the Director of the United States Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Xue-Mei Gong, Jing Liang, Frederick A. Rush,
Phillip M. Matthews, Gannavaram Diwakar Vishakhadatta

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

2. Name and address of receiving party(ies)

Name: Silicon Laboratories Inc.

Internal Address: _____

Street Address: 4635 Boston Lane

City: Austin

State: Texas

Country: USA Zip: 78735

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) Sept. 21, 19, 22, 19 and 28, all of 2005

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)
10/955,569 (filed 9/30/2004)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Mark P Kahler

Internal Address: _____

Street Address: 8101 Vailview Cove

City: Austin

State: Texas Zip: 78750-7881

Phone Number: (512) 345-1392

Fax Number: (512) 692-2748

Email Address: mkaher@austin.tr.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
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b. Deposit Account Number _____

Authorized User Name _____

9. Signature:

Mark P Kahler
Signature

10/9/2005
Date

10/17/2005 DBYRNE 00000065 10955569

01 FC-0021

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Mark P Kahler
Name of Person Signing

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

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

WHEREAS, WE,

- (1) Xue-Mei Gong 1916 Trillium Cove, Austin
State of Texas, 78733, USA
- (2) Jing Liang 2046 Dailey Lane, Superior
State of Colorado, 80027, USA
- (3) Frederick A. Rush 10913 Mint Julep Drive, Austin
State of Texas, 78748, USA
- (4) Phillip M. Matthews 7009 Nubian Lane, Austin
State of Texas, 78739, USA
- (5) Gannavaram Diwakar 2909 Hillview Road, Austin,
Vishakhadatta State of Texas, 78703, USA

have invented certain improvements in a

WIRELESS COMMUNICATION SYSTEM WITH HARDWARE-BASED FREQUENCY BURST DETECTION

for which we filed United State patent application Serial No. 10/955,569
on 9/30/2004; and

WHEREAS, Silicon Laboratories Inc. (a Delaware corporation), having a place of
business at 4635 Boston Lane., Austin, TX 78735, is desirous of obtaining the entire
right, title, and interest in, to and under the said invention and the said application in the
United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for One Dollar (\$1.00) and other good and valuable consideration,
the receipt and sufficiency of which is hereby acknowledged, and other good and
valuable consideration, we have sold, assigned, transferred and set over, and by these
presents do hereby sell, assign, transfer and set over, unto the said Silicon Laboratories
Inc., its successors, legal representatives, and assigns, the entire right, title, and interest
in, to and under the said invention, and the said application, and all divisional, renewal,
substitutional, and continuing applications thereof, and all Letters Patent of the United
States of America which may be granted thereon and all reissues and extensions
thereof, and all applications for Letters Patent which may be filed for said invention in
any country or countries foreign to the United States of America, and all extensions,
renewals, and reissues thereof, and all prior patents and patent applications from which
a filing priority of the above-described patent application may be obtained, including the
right to collect past damages; and we hereby authorize and request the Commissioner of
Patents of the United States of America, and any official of any country or countries
foreign to the United States of America, whose duty it is to issue patents on applications
as aforesaid, to issue all Letters Patent for said invention to the said Silicon Laboratories

Inc., its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said Silicon Laboratories Inc., its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the said Silicon Laboratories Inc., its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

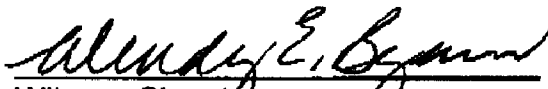
First Inventor Name: Xue-Mei Gong
Residence Address: 1916 Trillium Cove, Austin, Texas 78733

Dated: 9/21/05



Inventor Signature

Dated: 9/21/05



Witness Signature
Witness Name: WENDY E. BYRUM.


Second Inventor Name: Jing Liang
Residence Address: 2046 Dailey Lane
Superior, Colorado, 80027

Dated: September 19, 2005



Inventor Signature

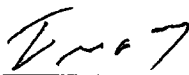
Dated: September 19, 2005



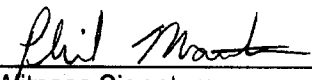
Witness Signature
Witness Name: David Ecoff

Third Inventor Name: Frederick A. Rush
Residence Address: 10913 Mint Julep Drive, Austin, Texas 78748

Dated: 22 Sept 2005


Inventor Signature

Dated: Sept. 22, 2005


Witness Signature
Witness Name: Phil Matthews

Fourth Inventor Name: Phillip M. Matthews
Residence Address: 7009 Nubian Lane, Austin, Texas 78739

Dated: Sept. 19, 2005

Phillip M. Matthews
Inventor Signature

Dated: Sept 19, 2005

Ky MacPherson
Witness Signature
Witness Name: Ky MacPherson

Fifth Inventor Name: Gannavaram Diwakar Vishakhadatta
Residence Address: 2909 Hillview Road, Austin, Texas, 78703

Dated: 9/28/2005

Gannavaram Diwakar Vishakhadatta
Inventor Signature

Dated: 9/28/05

Eric Kimball
Witness Signature

Witness Name: Eric Kimball