

07-26-2002

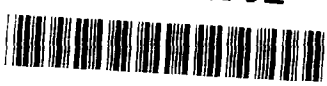
FORM PTO-159

RE

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Final documents or copy thereof.

1. Name of conveying party(ies):
**Craig Bingert, Christopher D. Gorsuch,
 Oscar G. Mercado, Anthony K. Myers,
 John A. Schadt, and Brian W. Yeager** *07/18/02*

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

2. Name and address of receiving party(ies)
 Name: Lattice Semiconductor Corporation
 Internal Address:
 Street Address: 5555 NE Moore Ct.
 City: Hillsboro State: OR ZIP: 97124-6421
 Additional name(s) & address(es) attached? ___ Yes X No

3. Nature of conveyance:
X Assignment ___ Merger
 ___ Security Agreement ___ Change of Name
 ___ Other

Execution Date: 7/9/02, 7/9/02, 7/9/02, 7/9/02, 7/9/02 & 7/9/02

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) 10/135,325 B. Patent No.(s)
 Additional numbers attached? ___ Yes X No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: Joseph B. Ryan
 Internal Address: Ryan, Mason & Lewis, LLP
 Street Address: 90 Forest Avenue
 City: Locust Valley State: NY ZIP: 11560

6. Total number of applications and patents involved: 1
 7. Total Fee (37 CFR 3.41)..... \$ 40.00
 ___ Enclosed
X Authorized to be charged to deposit account
 8. Deposit account number 50-0762

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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.

Joseph B. Ryan July 18, 2002
 Reg. No. 37,922 Signature Date

07/25/2002 DBYRNE 00000023 500762 10135325 Total number of pages including cover sheet, attachments, and document: 8

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Bingert 1-2-2-2-5-3

PATENT REEL: 013116 FRAME: 0422

ASSIGNMENT AND AGREEMENT

For value received, we, Craig Bingert, of Allentown in the County of Lehigh and State of Pennsylvania, Christopher D. Gorsuch, of Walnutport in the County of Northampton and State of Pennsylvania, Oscar G. Mercado, of Bethlehem in the County of Lehigh and State of Pennsylvania, Anthony K. Myers, of Hamburg in the County of Berks and State of Pennsylvania, John A. Schadt, of Bethlehem in the County of Northampton and State of Pennsylvania, and Brian W. Yeager, of Schuylkill Haven in the County of Schuylkill and State of Pennsylvania, hereby sell, assign and transfer to Lattice Semiconductor Corporation, a corporation of the State of Delaware, having an office at 5555 NE Moore Ct., Hillsboro, OR 97124-6421, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **INTEGRATED CIRCUIT AND ASSOCIATED DESIGN METHOD USING SPARE GATE ISLANDS** described in application Serial No. 10/135,325 for Letters Patent of the United States, filed April 30, 2002, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Lattice Semiconductor Corporation the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Lattice Semiconductor Corporation to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Lattice Semiconductor Corporation to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Lattice Semiconductor Corporation in the United States and in all countries foreign to the United States, or to such nominees as Lattice Semiconductor Corporation may designate.

We agree that, when requested, we shall, without charge to Lattice Semiconductor Corporation but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Craig Bingert
Craig Bingert

Date: 7/9/02

United States of America)

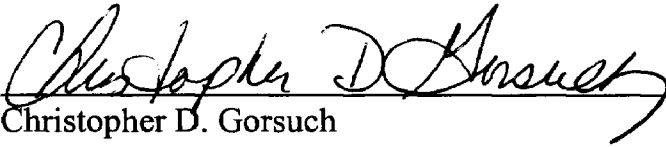
State of Pennsylvania) ss.:

County of Lehigh)

On this 9 day of July, 2002, before me personally came Craig Bingert, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

[Signature]

Notary Public
[Notary Seal]


Christopher D. Gorsuch

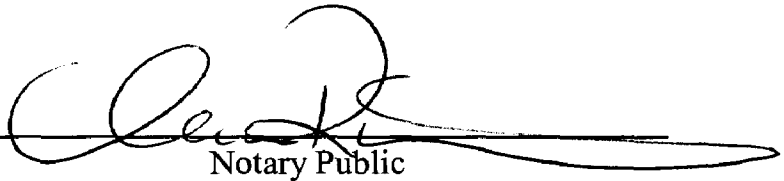
Date: 7/9/02

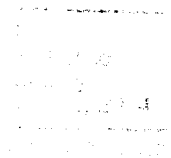
United States of America)

State of Pennsylvania) ss.:

County of Lehigh)

On this 9 day of July, 2002, before me personally came Christopher D. Gorsuch, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public



Oscar G. Mercado
Oscar G. Mercado

Date: 8-9-02

United States of America)

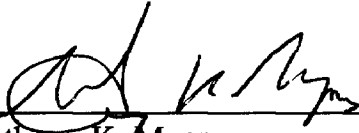
State of Pennsylvania) ss.:

County of Lehigh)

On this 9 day of JULY, 2002 before me personally came Oscar G. Mercado, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

[Signature]
Notary Public





 Anthony K. Myers

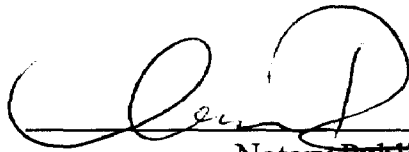
Date: 7/9/02

United States of America)

State of Pennsylvania) ss.:

County of Lehigh)

On this 9 day of JULY, 2002, before me personally came Anthony K. Myers, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



 Notary Public

John A. Schadt
John A. Schadt

Date: 7/9/02

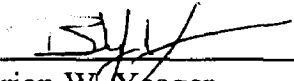
United States of America)

State of Pennsylvania) ss.:

County of Lehigh)

On this 9 day of JULY, 2002, before me personally came John A. Schadt, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

[Signature]
Notary Public



Brian W. Yeager

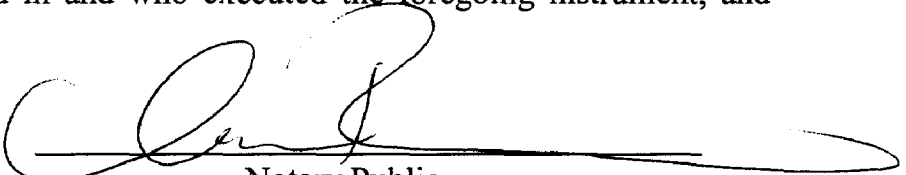
Date: 09 July 02

United States of America)

State of Pennsylvania) ss.:

County of Lehigh)

On this 9 day of JULY, 2002, before me personally came Brian W. Yeager, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public

Ryan, Mason & Lewis, LLP
90 Forest Avenue
Locust Valley, New York 11560
(516) 759-2722