

FORM PTO-1595

1/31/92

Express Mail Label No: EL848999781US

Atty. Docket No. 13551US01

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

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

Sami Issa
Morteza (Cyrus) AfghahiAdditional name(s) of conveying party (ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

Effective Date: April 12, 2002

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

Broadcom Corporation
16215 Alton Parkway
Irvine, CA 92618Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s): 10/128,325

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

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

David J. Muzilla
McAndrews, Held & Malloy
500 W. Madison Street
34th Floor
Chicago, Illinois 60661

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40

☒ Enclosed☒ Please charge any additional fees required to deposit account.

8. Deposit account number: 13-0017

(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.*Signature and Registration Number: David J. Muzilla

Reg. No. 50,914

Date: 07/16/02

Name of Person Signing: David J. MuzillaTotal number of pages including cover sheet, attachments and document: 4

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PATENT
REEL: 013099 FRAME: 0180

ASSIGNMENT
(JOINT INVENTORSHIP)

Case No. 13551US01

Serial No. 10/128,325

Inventors: Sami Issa
Morteza (Cyrus) Afghahi

Filing Date: 04/23/2002

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to **Broadcom Corporation**, a California corporation, its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled: **METHOD AND APPARATUS FOR SYNTHESIZING A CLOCK SIGNAL USING A COMPACT AND LOW POWER DELAY LOCKED LOOP (DDL)**; and identified as **Case No. 13551US01** in the offices of McANDREWS, HELD & MALLOY, LTD., and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any continuation, continuation-in-part, divisional, reexamination, reissue or extension of such applications or patents, and further assign to said assignee the priority right provided by the International Convention.

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known.

The undersigned warrants himself to be the owner of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrants that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all continuation, continuation-in-part, divisional, extension, and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue, re-examination or extension of any Letters Patent that may be granted upon said application, and any and all applications and other document for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorizes said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agrees, upon the request of said assignee, its successors

and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment has not been made.

WITNESS my hand and seal this 12 day of April, 2002.

Sami Issa

State of

California

County of

Orange County

The foregoing instrument was acknowledged before me this ____ day of _____, 2002 by _____.

Notary Public

WITNESS my hand and seal this 12 day of April, 2002.

M. Afghahi

Morteza (Cyrus) Afghahi

State of

California

County of

Orange County

The foregoing instrument was acknowledged before me this ____ day of

_____, 2002 by _____.

Notary Public